

Data File : VL033784.D
Acq On : 23 May 2019 22:05
Operator : SY/AP
Sample : K2929-18
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

Quant Time: May 24 04:29:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	947023	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2397704	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2409179	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1893730	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	31927	0.160	ppbv	97
3) Chlorodifluoromethane	2.98	51	66285	0.611	ppbv #	77
4) Chloromethane	3.17	50	9706	0.156	ppbv	92
7) Chloroethane	3.60	64	238	0.011	ppbv #	41
8) Dichlorotetrafluoroethane	3.22	85	1943	0.012	ppbv	91
9) Propene	3.03	41	1889387	40.949	ppbv	94
10) Heptane	8.24	43	189042	1.447	ppbv	99
11) Trichlorofluoromethane	4.00	101	53074	0.279	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	12973	0.098	ppbv	99
13) Ethanol	3.65	45	200562	13.449	ppbv	98
15) Acetone	3.89	43	14418526	109.735	ppbv #	76
16) 1,3-Butadiene	3.34	39	1819541	34.774	ppbv #	20
17) tert-Butyl alcohol	4.36	59	285023	2.683	ppbv	96
19) Isopropyl Alcohol	4.03	45	73490	0.867	ppbv #	94
20) Methylene Chloride	4.41	84	58111	1.149	ppbv	97
21) Allyl Chloride	4.46	41	36251	0.442	ppbv #	1
23) Vinyl Acetate	5.15	43	162838	0.940	ppbv #	81
25) Ethyl Acetate	5.77	43	175369	0.760	ppbv #	84
26) Hexane	5.77	57	216833	2.185	ppbv #	35
27) Carbon Disulfide	4.62	76	232941	1.711	ppbv	97
29) Chloroform	5.85	83	66065	0.361	ppbv	96
30) Cyclohexane	7.25	84	5216	0.063	ppbv #	1
32) 1,1,1-Trichloroethane	6.62	97	8904	0.049	ppbv #	1
34) 2-Butanone	5.33	43	1896549	12.761	ppbv	99
35) Carbon Tetrachloride	7.12	117	2383	0.012	ppbv #	86
36) Benzene	7.00	78	253197	1.161	ppbv	94
39) 1,2-Dichloropropane	7.29	63	581383	7.150	ppbv #	22
40) 1,4-Dioxane	7.97	88	628	0.018	ppbv #	1
41) Tetrahydrofuran	6.16	42	11772	0.141	ppbv #	68
43) Methyl Methacrylate	8.11	69	1149	0.014	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	77498	0.210	ppbv #	56
50) 4-Methyl-2-Pentanone	8.87	43	74489	0.326	ppbv	100
51) 2-Hexanone	10.26	43	318197	1.783	ppbv #	98
52) Tetrachloroethene	11.36	164	40510	0.528	ppbv	98
53) Toluene	9.94	91	2085621	8.866	ppbv	99
58) Ethyl Benzene	12.86	91	552454	1.732	ppbv	97
59) m/p-Xylene	13.11	91	1799857	6.454	ppbv	98
60) o-Xylene	13.84	91	603746	2.148	ppbv	97
61) Styrene	13.68	104	23257	0.123	ppbv #	90
62) Isopropylbenzene	14.82	105	6746	0.018	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.83	83	16944	0.083	ppbv #	41

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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

Quant Time: May 24 04:29:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
64) n-propylbenzene	15.71	120	25598	0.261	ppbv	#	1
65) tert-Butylbenzene	16.91	119	18261	0.053	ppbv	#	19
67) sec-Butylbenzene	17.47	105	5769	0.012	ppbv	#	1
69) p-Isopropyltoluene	17.81	119	10521	0.026	ppbv	#	32
70) n-Butylbenzene	18.74	91	156254	0.364	ppbv	#	93
71) 2-Chlorotoluene	15.47	91	65153	0.232	ppbv		73
72) 4-Ethyltoluene	15.99	105	222120	0.691	ppbv	#	94
73) 1,3,5-Trimethylbenzene	16.15	105	146234	0.466	ppbv		87
74) 1,2,4-Trimethylbenzene	16.92	105	502418	1.472	ppbv	#	74
75) 1,3-Dichlorobenzene	17.16	146	62375	0.298	ppbv	#	61
79) Naphthalene	22.41	128	16613	0.052	ppbv	#	90
80) Naphthalene,2-methyl-	25.11	142	4696	0.039	ppbv	#	86

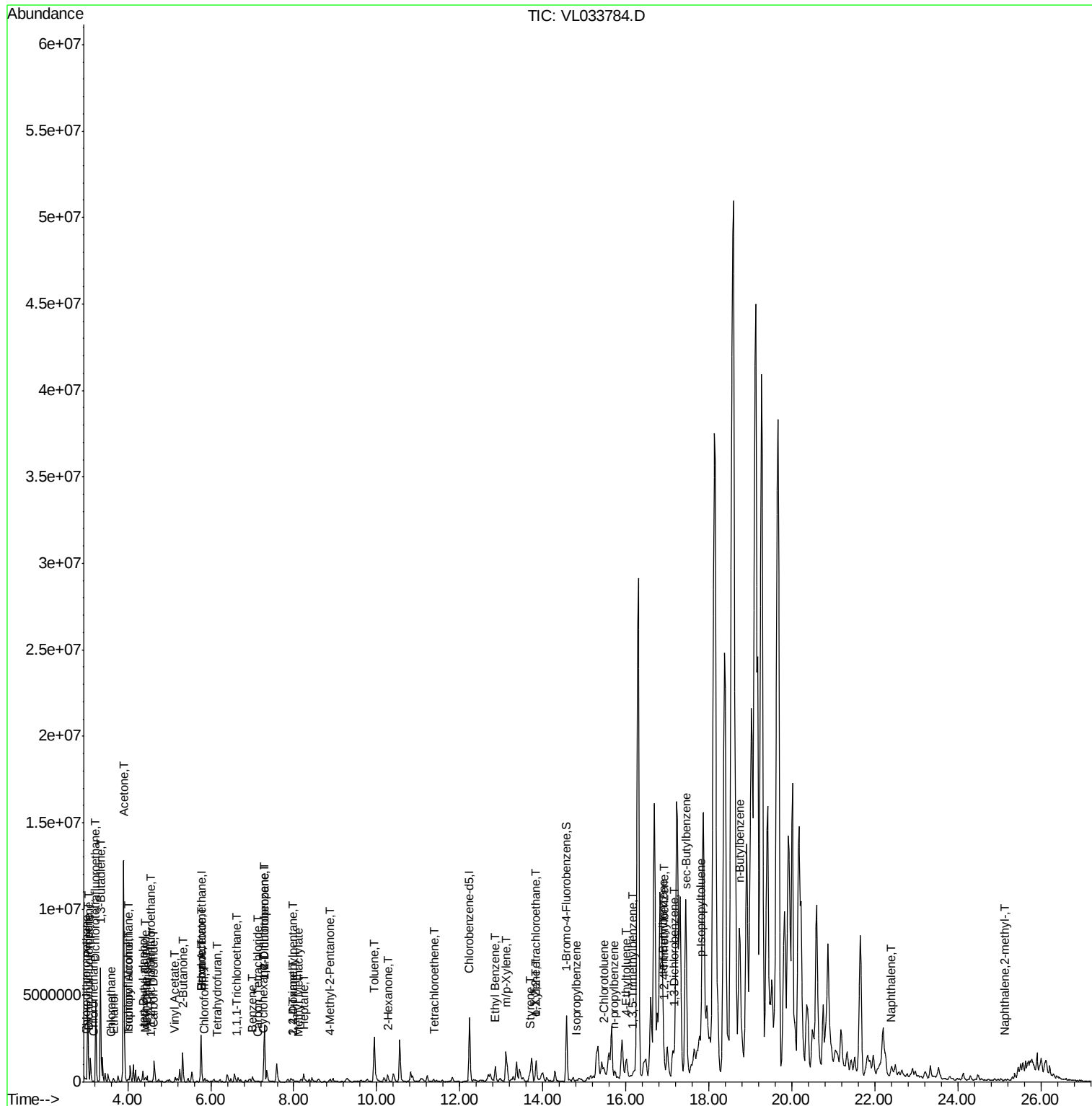
(#) = qualifier out of range (m) = manual integration (+) = signals summed

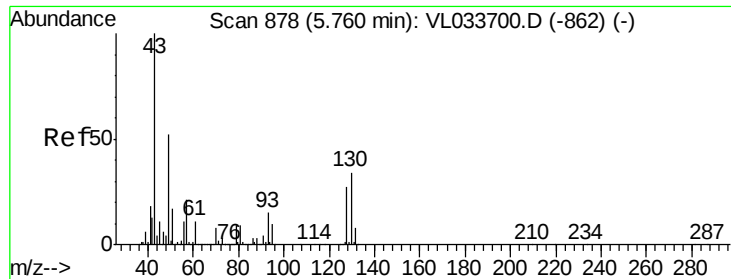
Data File : VL033784.D

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Acq On       : 23 May 2019   22:05
Operator    : SY/AP
Sample      : K2929-18
Misc       : 400ml/MSV0A_L
ALS Vial    : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

Quant Time: May 24 04:29:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

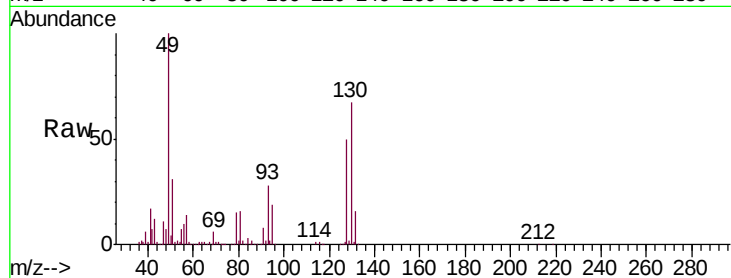
Tgt Ion: 49 Resp: 947023

Ion Ratio Lower Upper

49 100

128 51.3 25.2 75.6

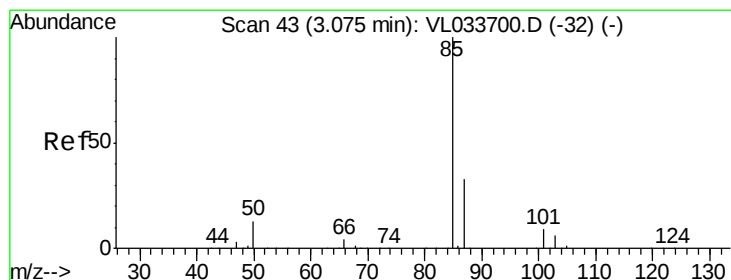
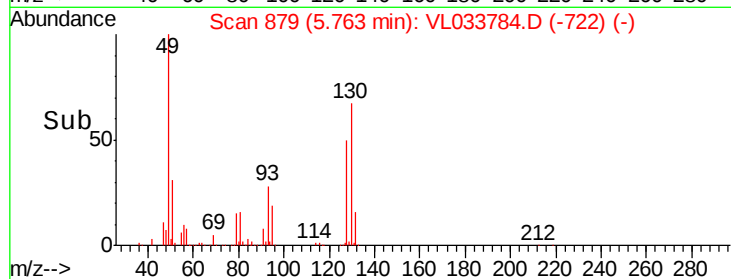
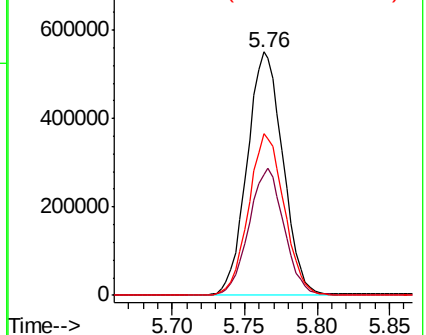
130 66.4 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.160 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033784.D

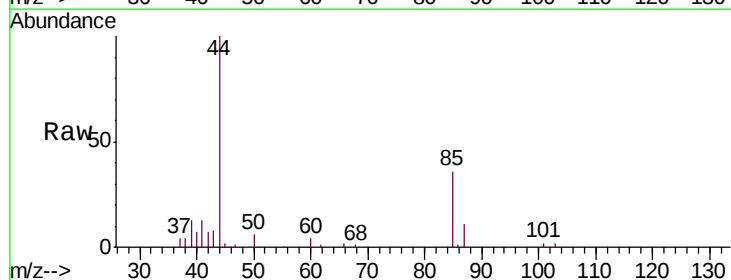
Acq: 23 May 2019 22:05

Tgt Ion: 85 Resp: 31927

Ion Ratio Lower Upper

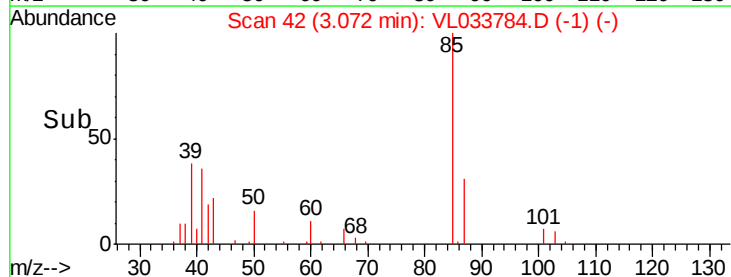
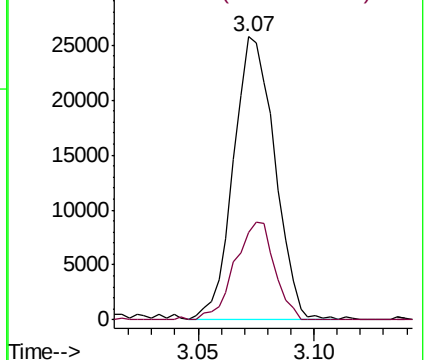
85 100

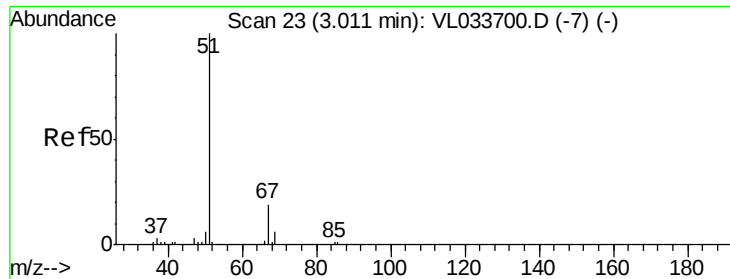
87 31.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.611 ppbv

RT: 2.98 min Scan# 15

Delta R.T. -0.03 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

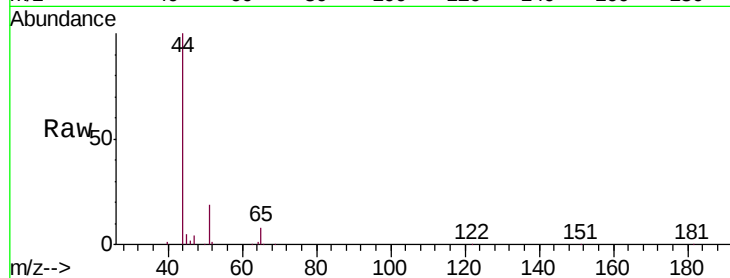
BPS1-SG-3008-55

Tgt Ion: 51 Resp: 66285

Ion Ratio Lower Upper

51 100

67 9.1 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

30000

25000

20000

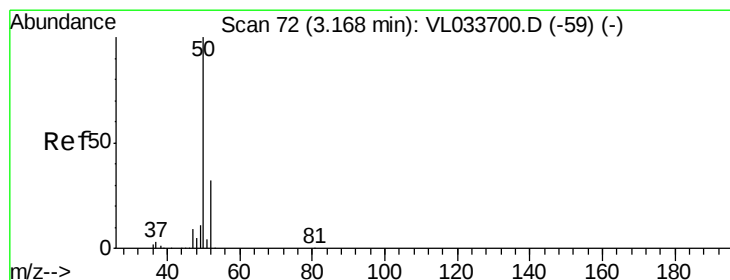
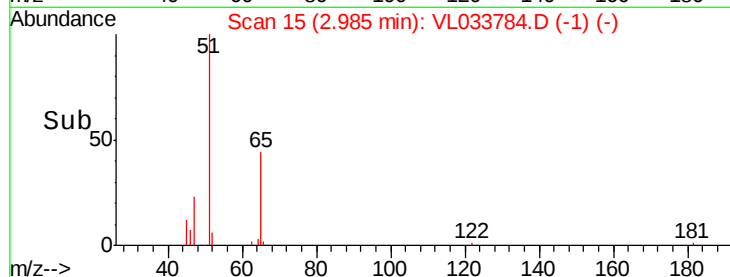
15000

10000

5000

0

Time--> 2.90 3.00 3.10



#4

Chloromethane

Concen: 0.156 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033784.D

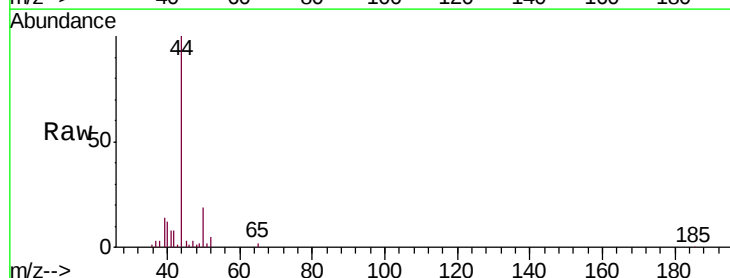
Acq: 23 May 2019 22:05

Tgt Ion: 50 Resp: 9706

Ion Ratio Lower Upper

50 100

52 27.8 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

8000

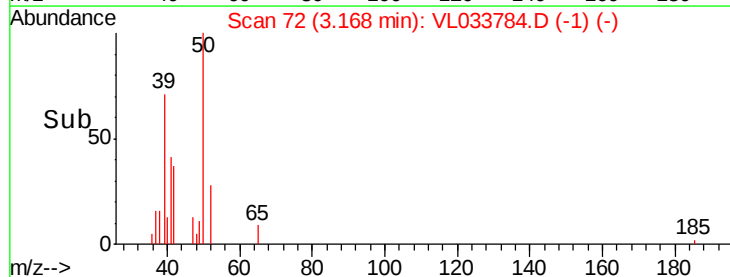
6000

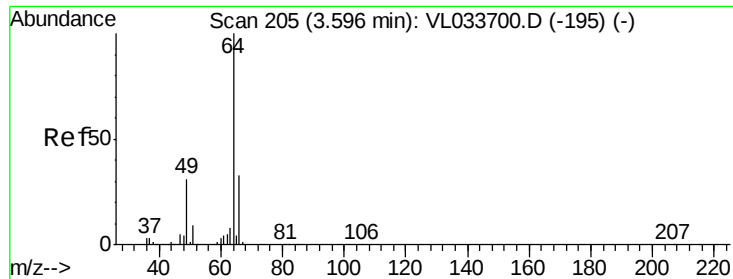
4000

2000

0

Time--> 3.12 3.14 3.16 3.18 3.20





#7

Chloroethane

Concen: 0.011 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

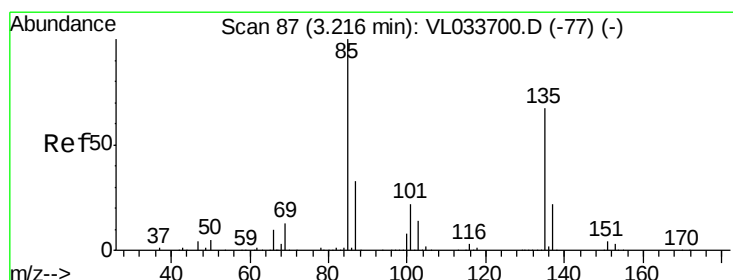
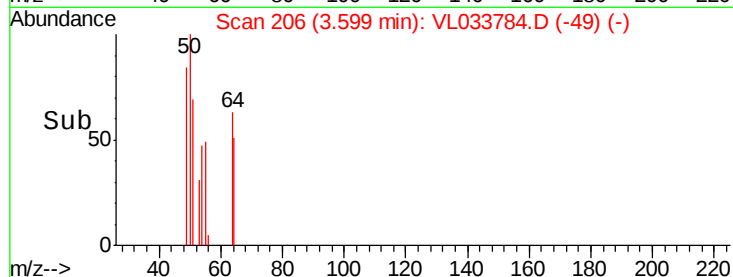
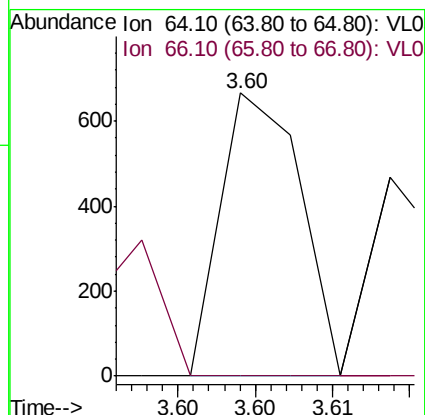
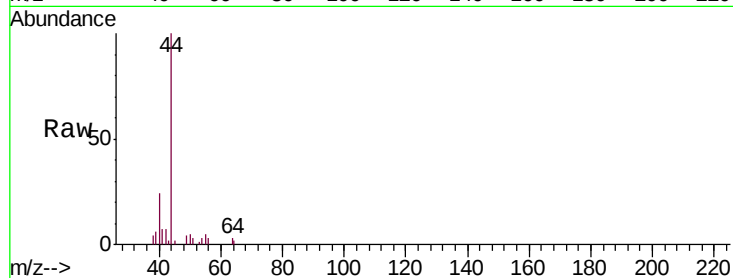
BPS1-SG-3008-55

Tgt Ion: 64 Resp: 238

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#8

Dichlorotetrafluoroethane

Concen: 0.012 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033784.D

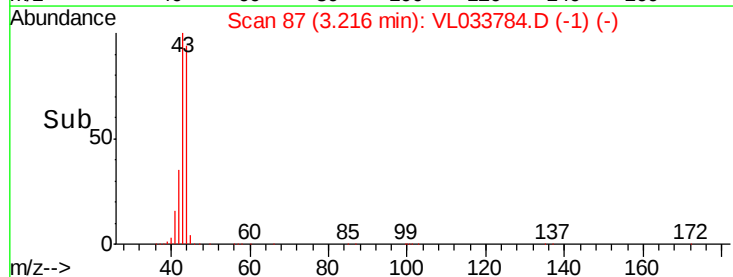
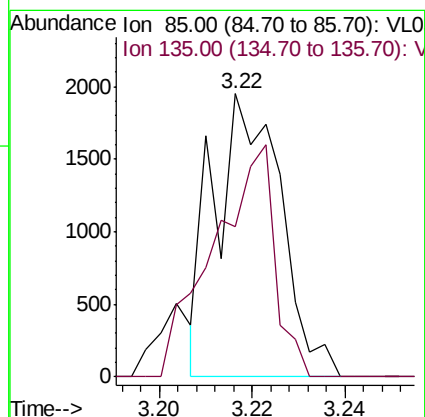
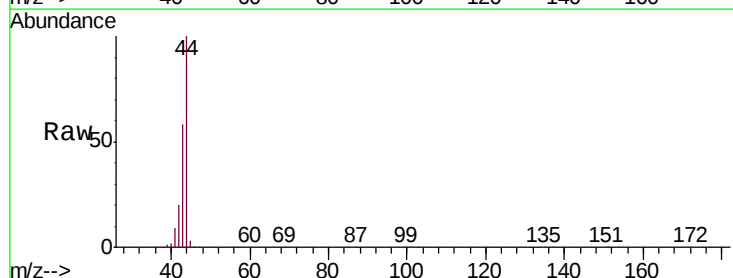
Acq: 23 May 2019 22:05

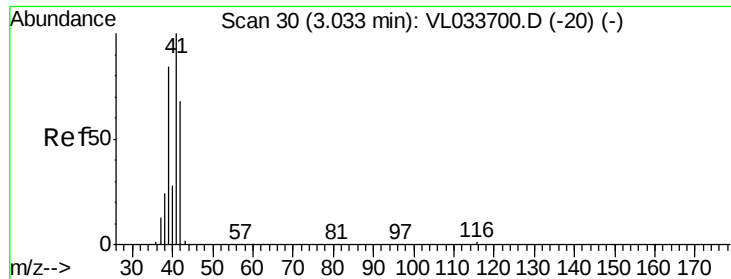
Tgt Ion: 85 Resp: 1943

Ion Ratio Lower Upper

85 100

135 75.6 54.5 81.7





#9

Propene

Concen: 40.949 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

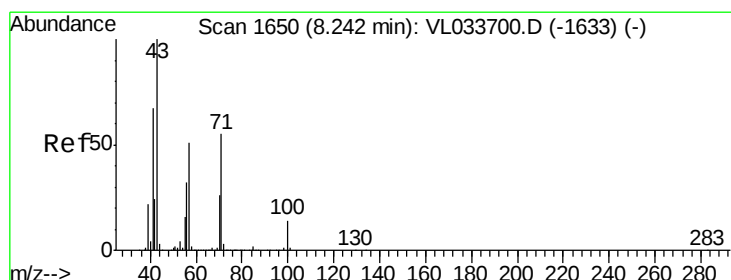
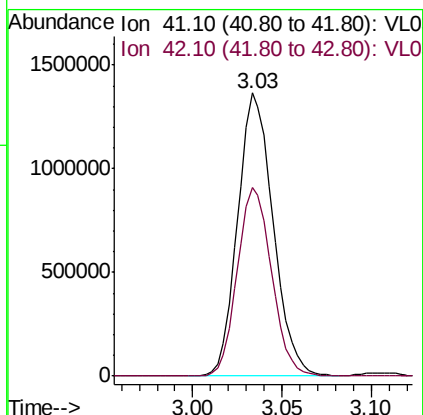
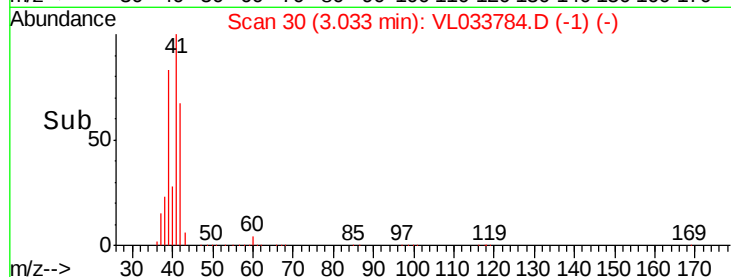
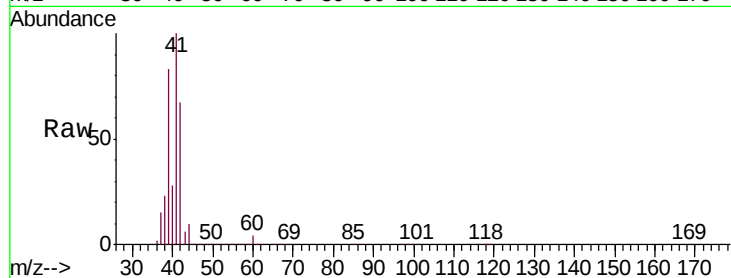
BPS1-SG-3008-55

Tgt Ion: 41 Resp: 1889387

Ion Ratio Lower Upper

41 100

42 64.8 56.1 84.1



#10

Heptane

Concen: 1.447 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033784.D

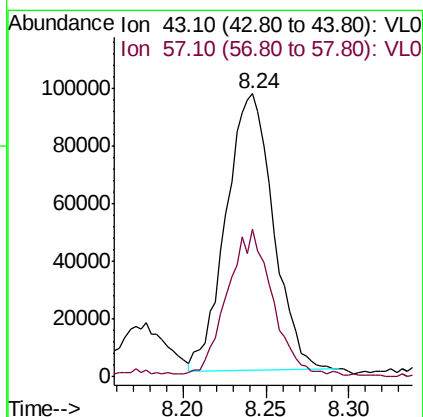
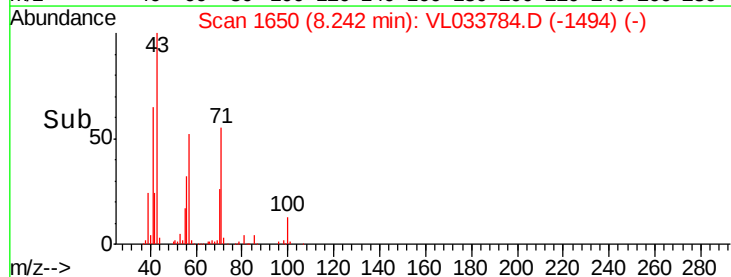
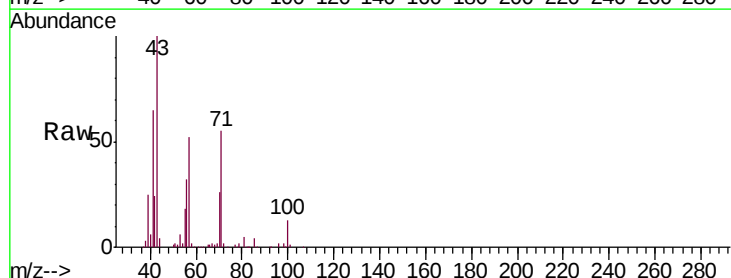
Acq: 23 May 2019 22:05

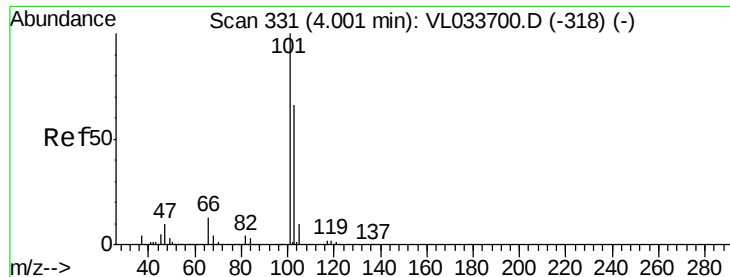
Tgt Ion: 43 Resp: 189042

Ion Ratio Lower Upper

43 100

57 52.1 41.4 62.0





#11

Trichlorofluoromethane

Concen: 0.279 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

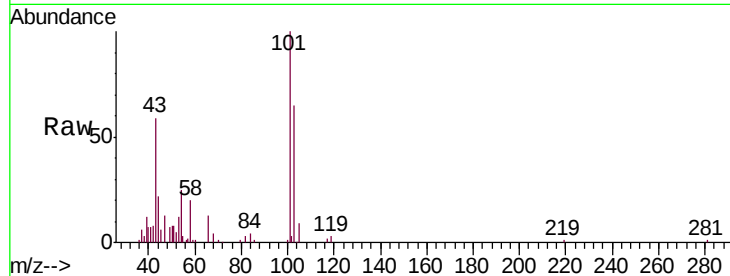
BPS1-SG-3008-55

Tgt Ion:101 Resp: 53074

Ion Ratio Lower Upper

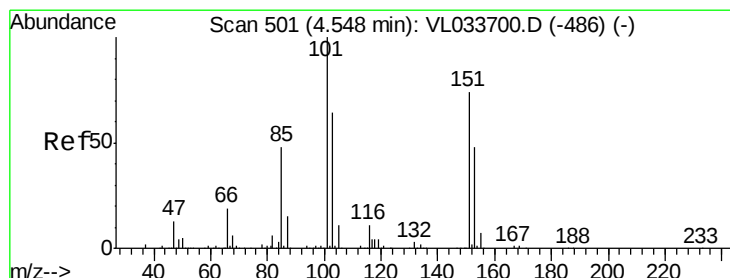
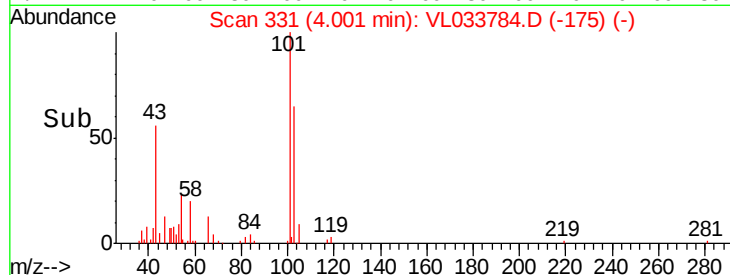
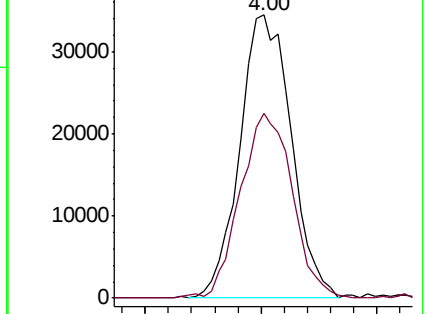
101 100

103 64.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.098 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL033784.D

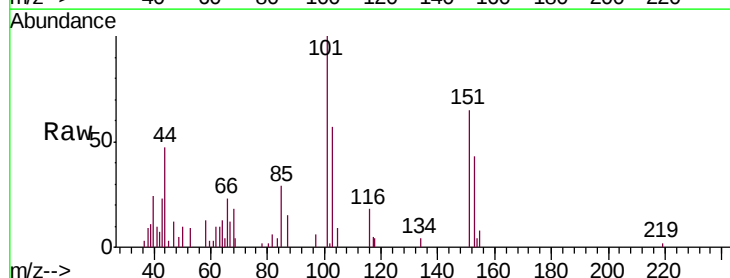
Acq: 23 May 2019 22:05

Tgt Ion:101 Resp: 12973

Ion Ratio Lower Upper

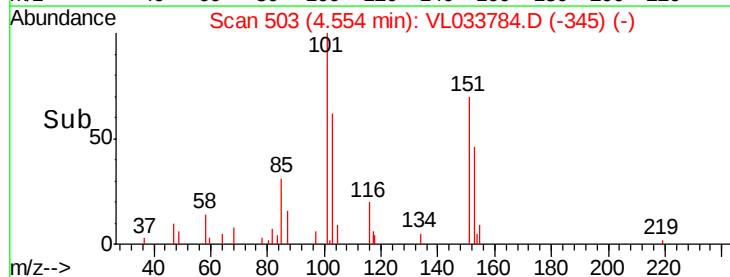
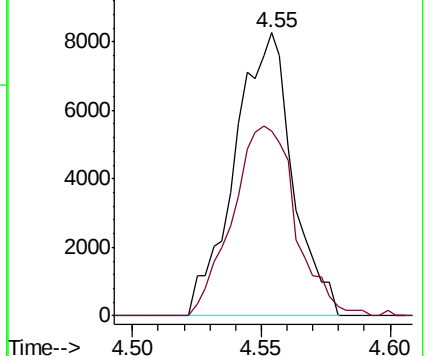
101 100

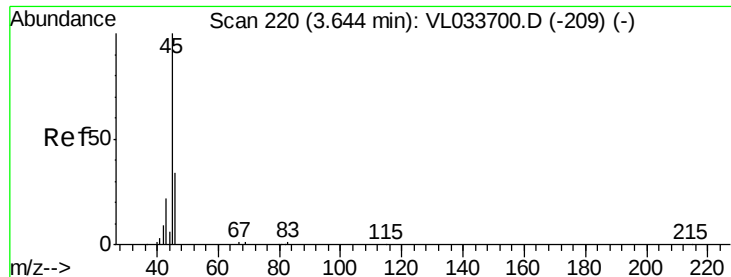
151 73.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 13.449 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

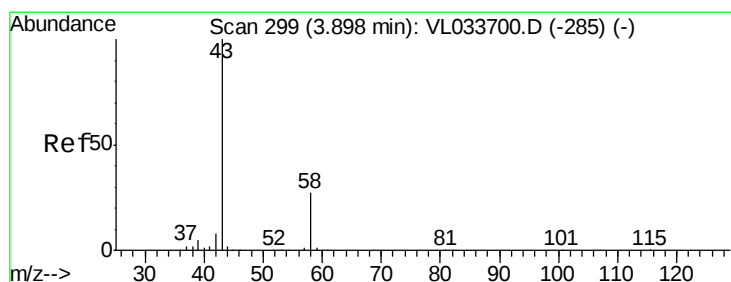
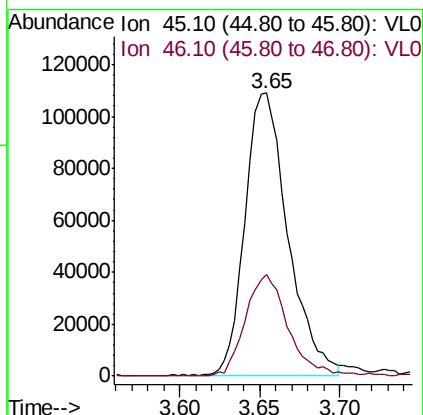
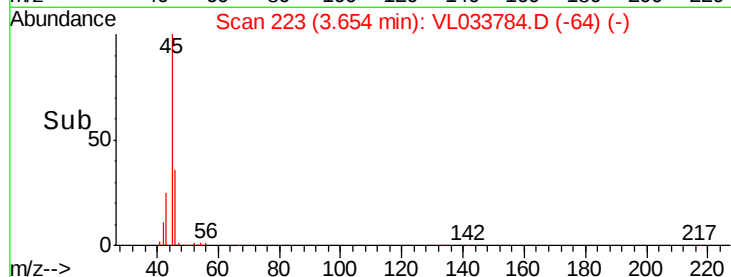
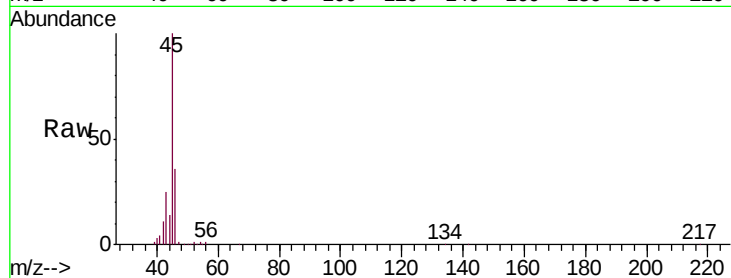
BPS1-SG-3008-55

Tgt Ion: 45 Resp: 200562

Ion Ratio Lower Upper

45 100

46 36.0 14.8 59.0



#15

Acetone

Concen: 109.735 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033784.D

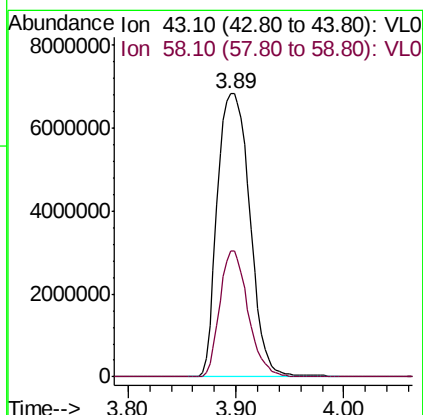
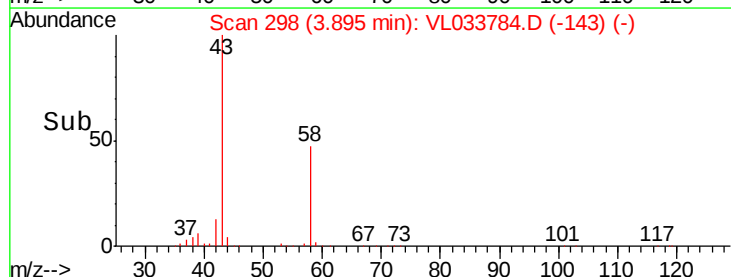
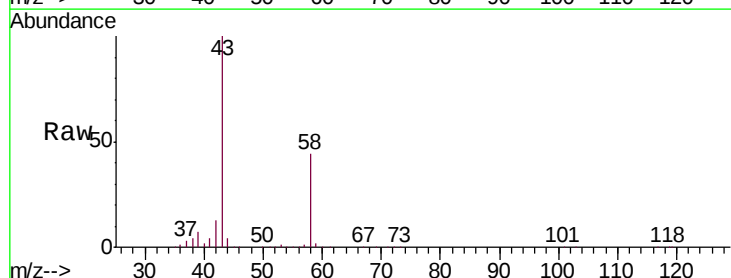
Acq: 23 May 2019 22:05

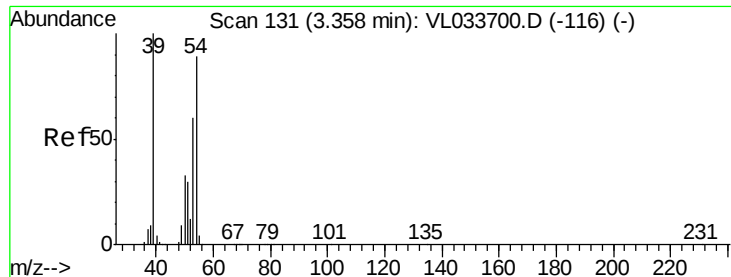
Tgt Ion: 43 Resp: 14418526

Ion Ratio Lower Upper

43 100

58 38.8 21.3 31.9#

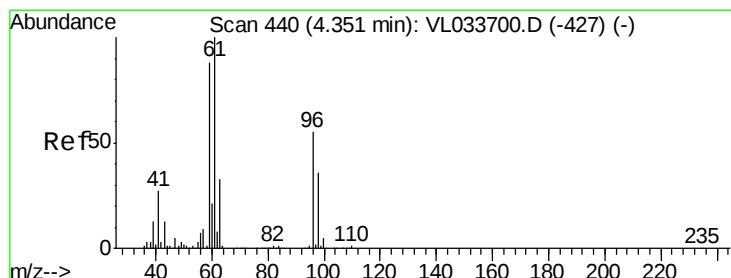
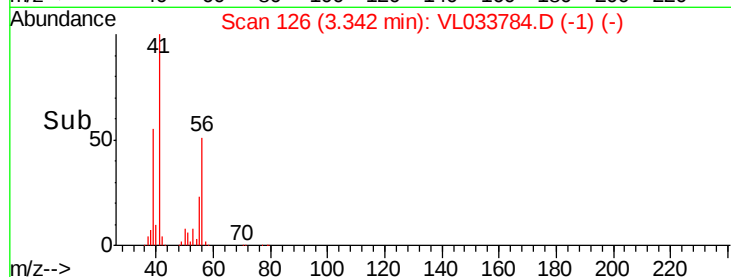
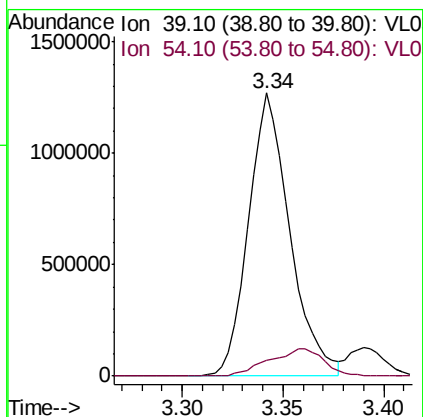
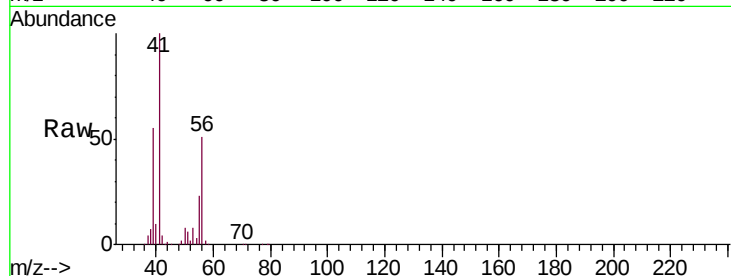




#16
 1,3-Butadiene
 Concen: 34.774 ppbv
 RT: 3.34 min Scan# 126
 Delta R.T. -0.02 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

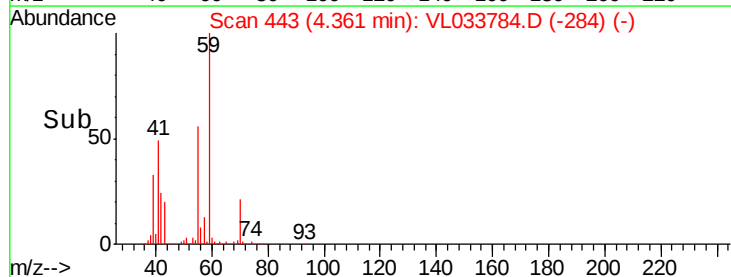
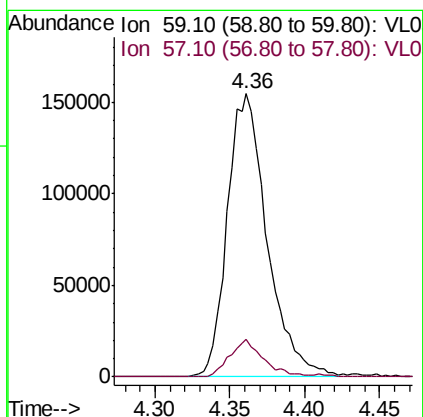
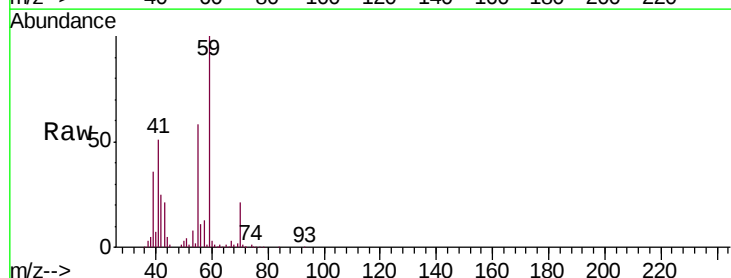
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

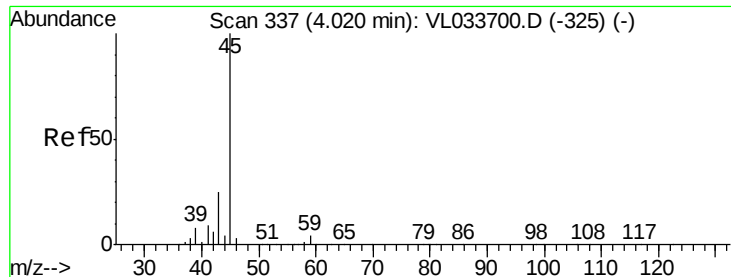
Tgt Ion: 39 Resp: 1819541
 Ion Ratio Lower Upper
 39 100
 54 12.8 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 2.683 ppbv
 RT: 4.36 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 59 Resp: 285023
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.4 12.6





#19

Isopropyl Alcohol

Concen: 0.867 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

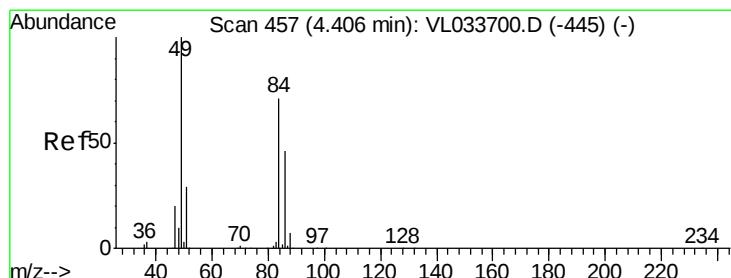
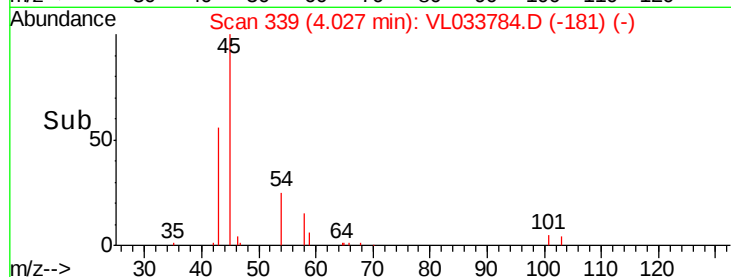
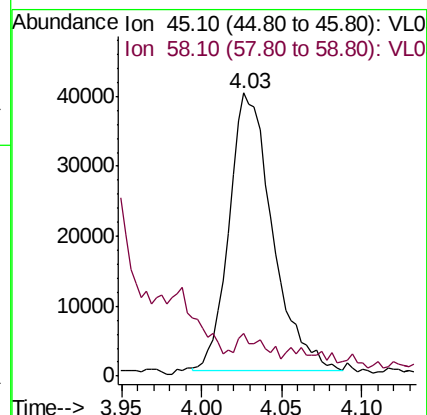
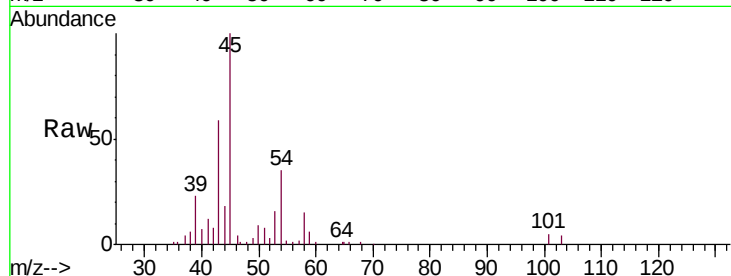
BPS1-SG-3008-55

Tgt Ion: 45 Resp: 73490

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 1.149 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Tgt Ion: 84 Resp: 58111

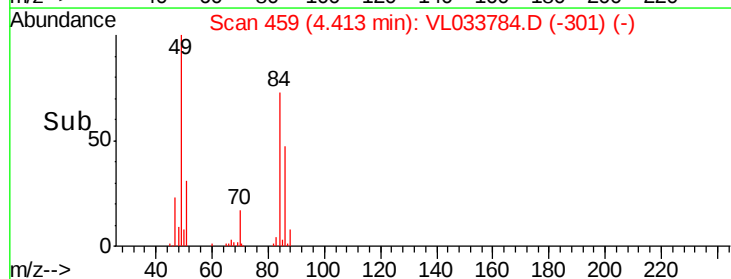
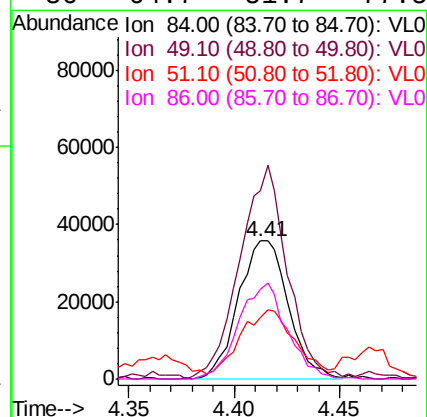
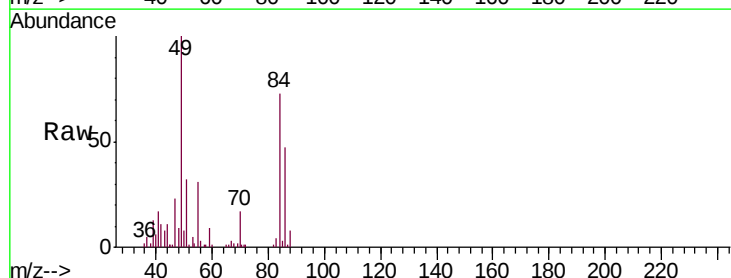
Ion Ratio Lower Upper

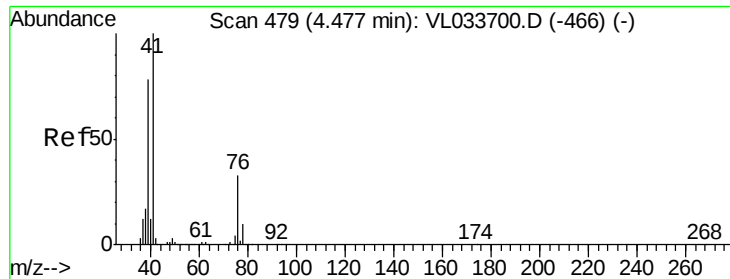
84 100

49 135.5 112.8 169.2

51 39.2 33.4 50.0

86 64.7 51.7 77.5

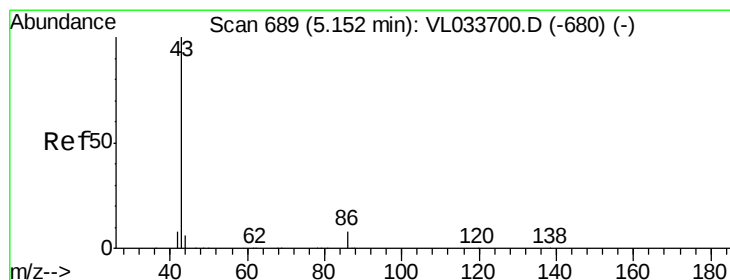
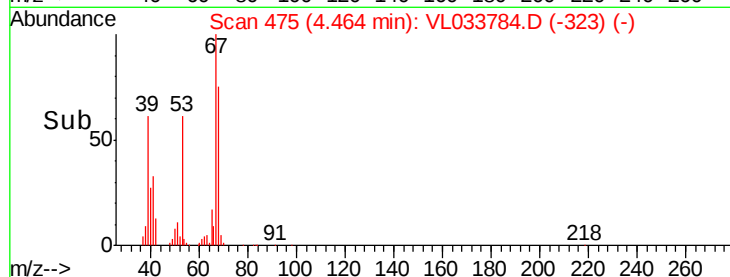
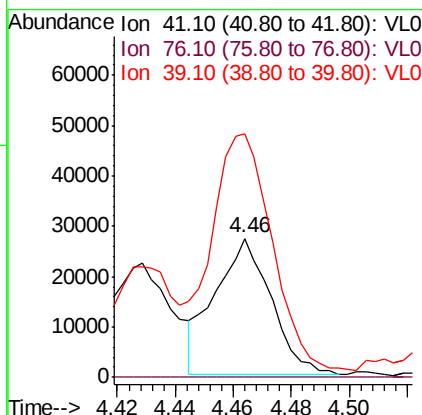
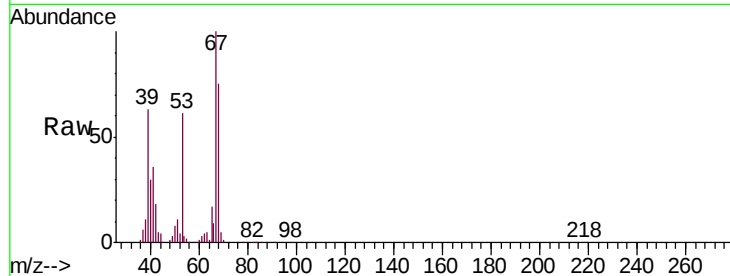




#21
 Allyl Chloride
 Concen: 0.442 ppbv
 RT: 4.46 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

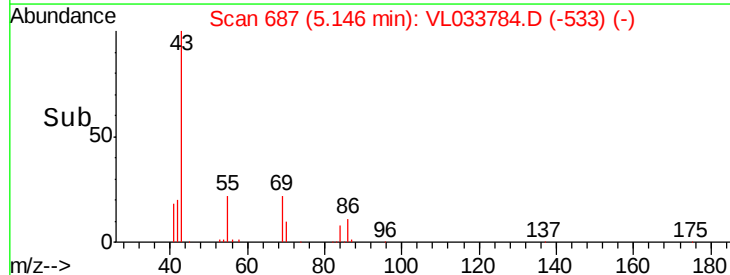
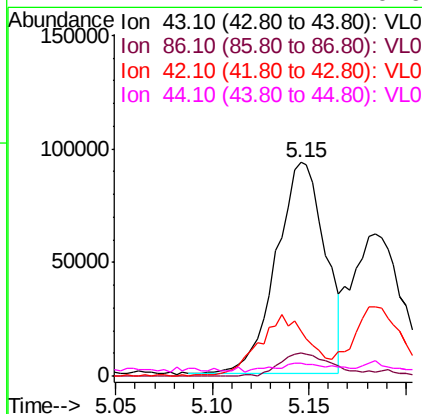
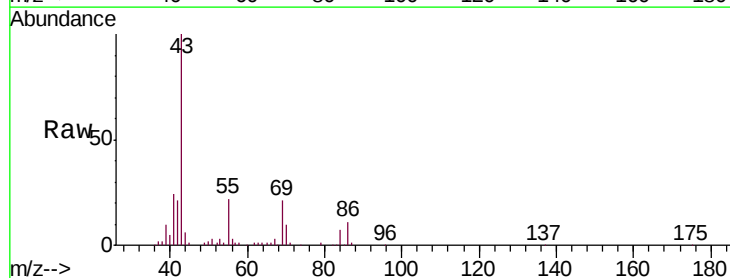
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

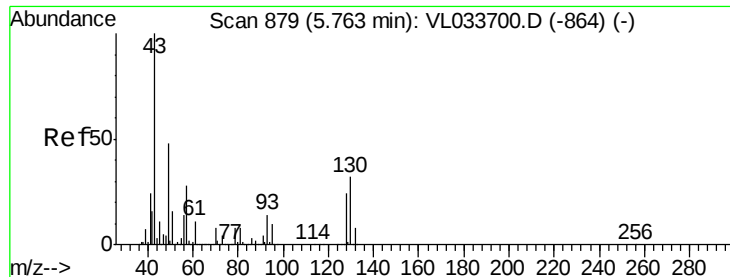
Tgt Ion: 41 Resp: 36251
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 272.1 64.6 97.0#



#23
 Vinyl Acetate
 Concen: 0.940 ppbv
 RT: 5.15 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 43 Resp: 162838
 Ion Ratio Lower Upper
 43 100
 86 11.0 6.0 9.0#
 42 20.8 7.5 11.3#
 44 2.2 4.4 6.6#

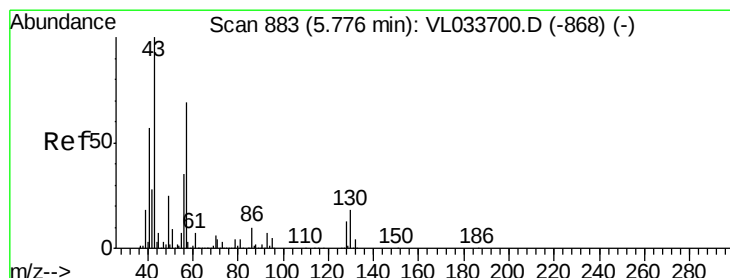
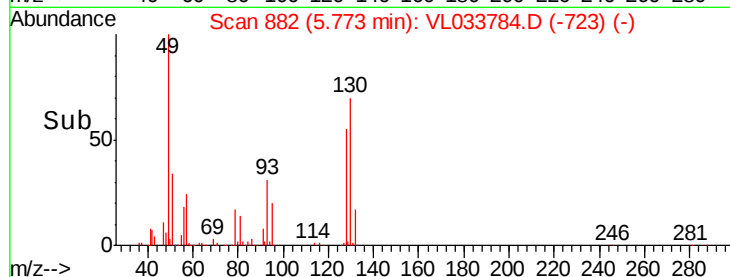
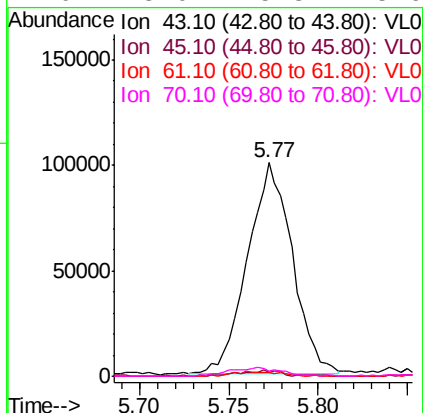
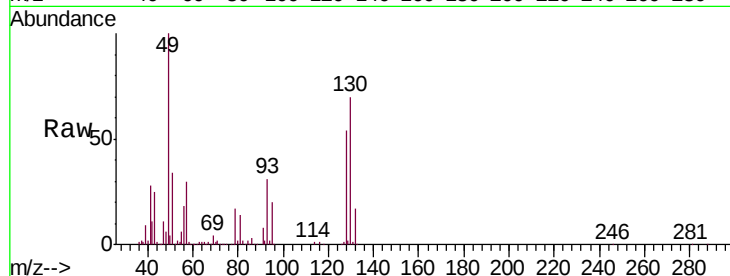




#25
Ethyl Acetate
Concen: 0.760 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

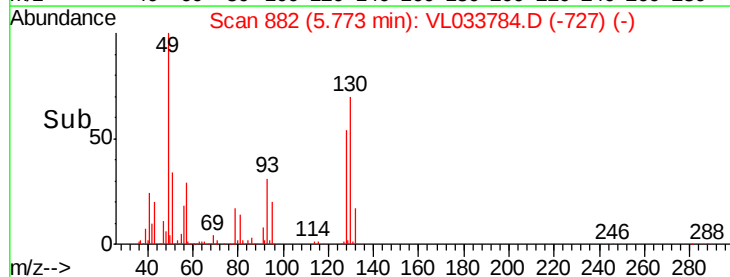
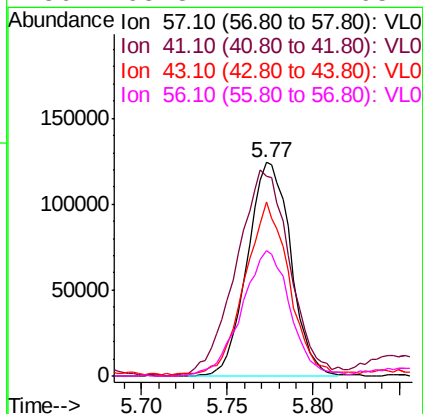
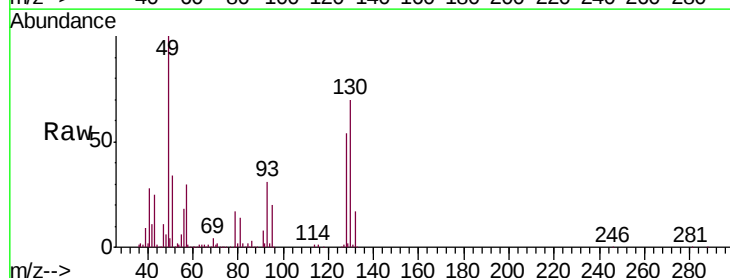
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

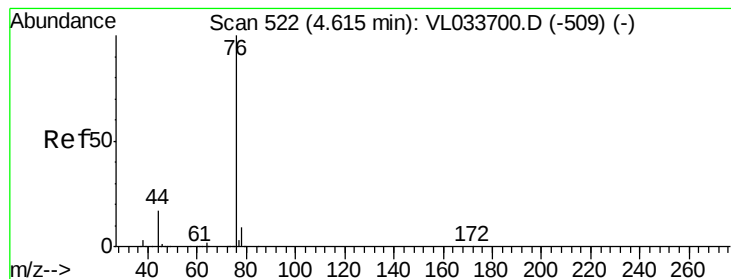
Tgt Ion:	43	Resp:	175369
Ion	Ratio	Lower	Upper
43	100		
45	3.0	7.9	11.9#
61	2.2	7.7	11.5#
70	5.0	5.8	8.6#



#26
Hexane
Concen: 2.185 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion:	57	Resp:	216833
Ion	Ratio	Lower	Upper
57	100		
41	118.2	69.8	104.6#
43	82.6	181.8	272.6#
56	65.8	42.1	63.1#





#27

Carbon Disulfide

Concen: 1.711 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

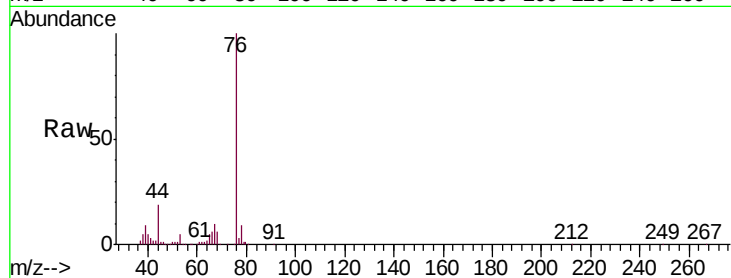
Tgt Ion: 76 Resp: 232941

Ion Ratio Lower Upper

76 100

44 19.1 13.8 20.8

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

200000

150000

100000

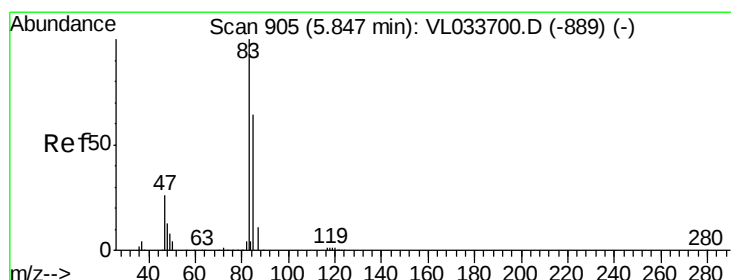
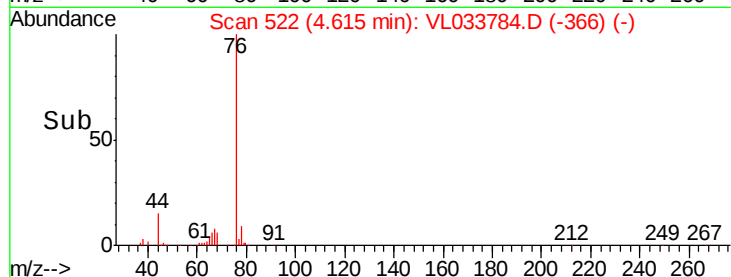
50000

0

4.55 4.60 4.65

4.62

Time-->



#29

Chloroform

Concen: 0.361 ppbv

RT: 5.85 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL033784.D

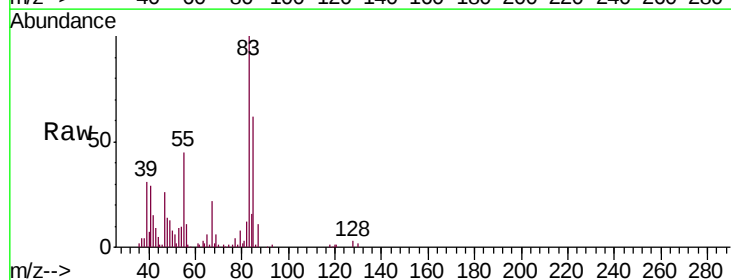
Acq: 23 May 2019 22:05

Tgt Ion: 83 Resp: 66065

Ion Ratio Lower Upper

83 100

85 61.6 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

40000

30000

20000

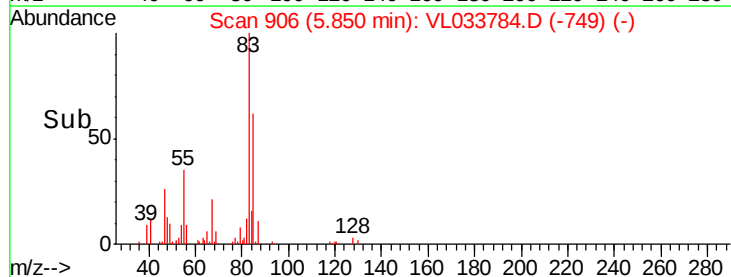
10000

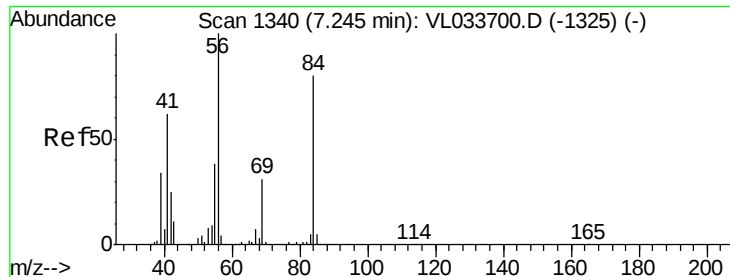
0

5.80 5.85 5.90

5.85

Time-->

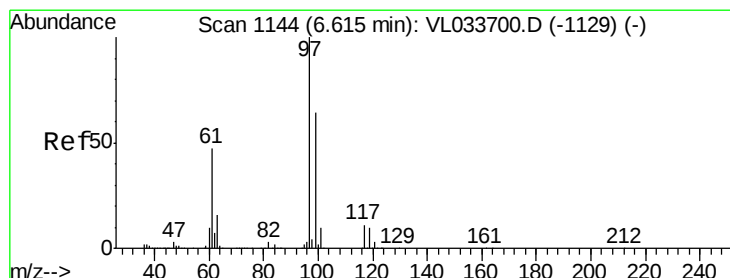
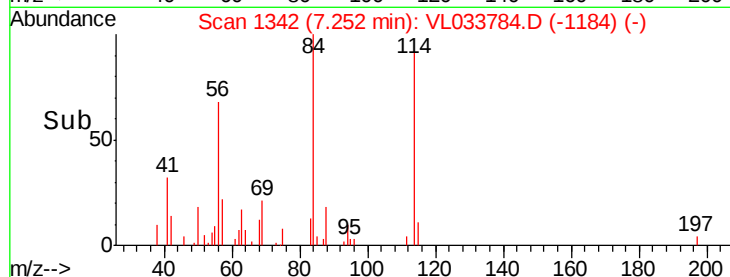
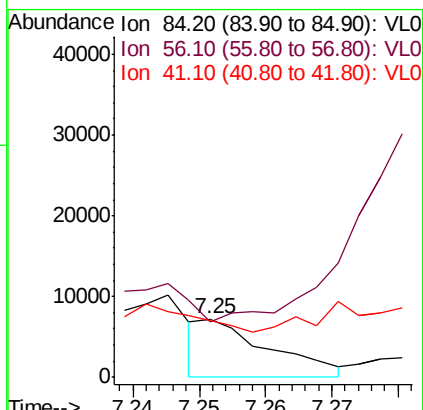
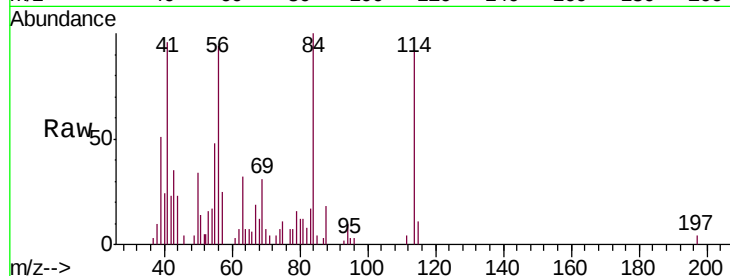




#30
Cyclohexane
Concen: 0.063 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

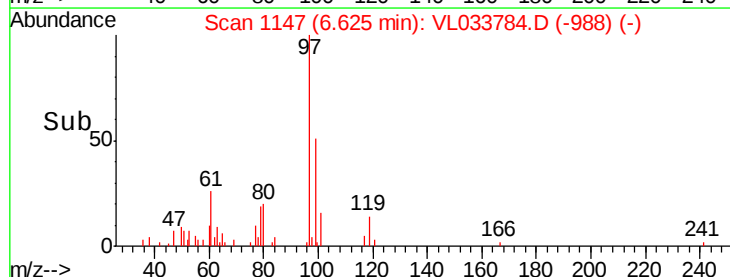
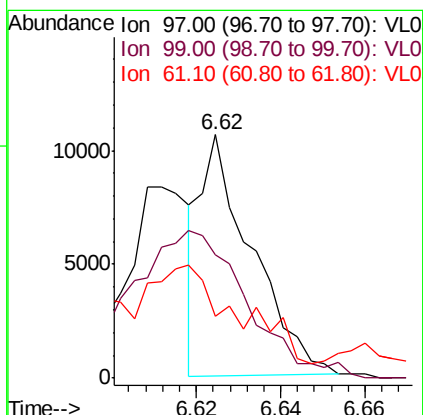
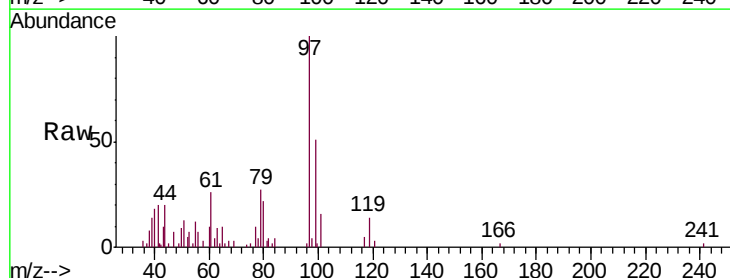
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

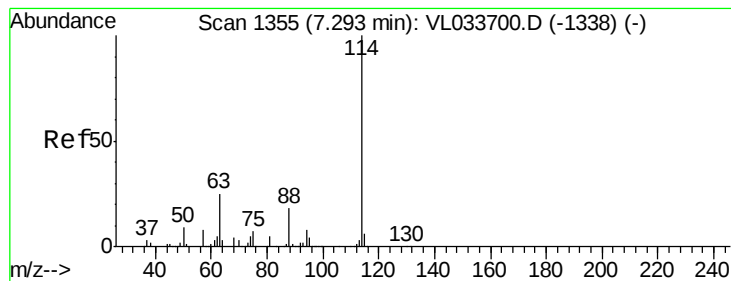
Tgt Ion: 84 Resp: 5216
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#



#32
1,1,1-Trichloroethane
Concen: 0.049 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion: 97 Resp: 8904
Ion Ratio Lower Upper
97 100
99 140.6 51.5 77.3#
61 167.8 37.8 56.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

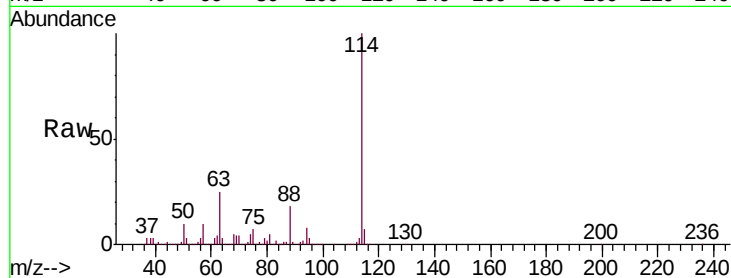
Tgt Ion:114 Resp: 2397704

Ion Ratio Lower Upper

114 100

63 24.4 20.9 31.3

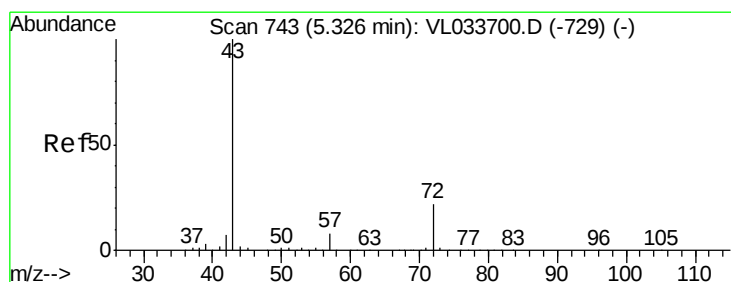
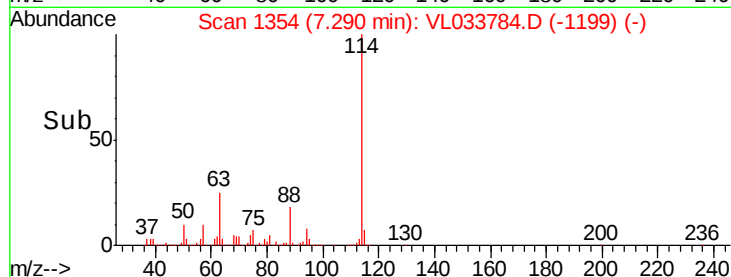
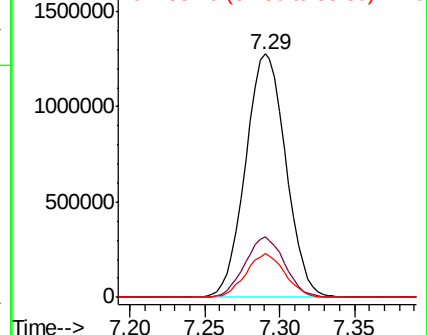
88 17.5 14.3 21.5



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 12.761 ppbv

RT: 5.33 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL033784.D

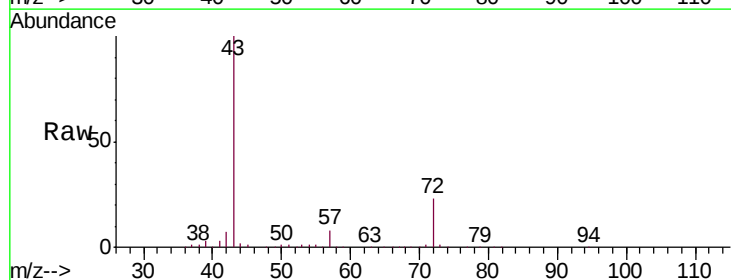
Acq: 23 May 2019 22:05

Tgt Ion: 43 Resp: 1896549

Ion Ratio Lower Upper

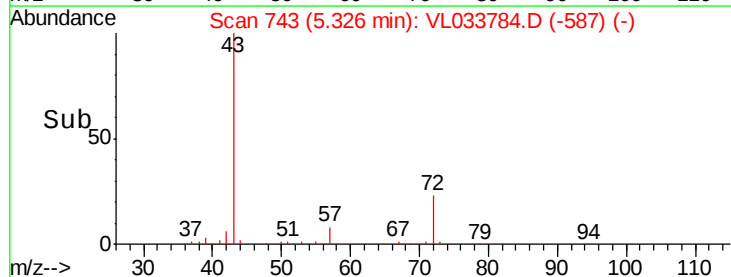
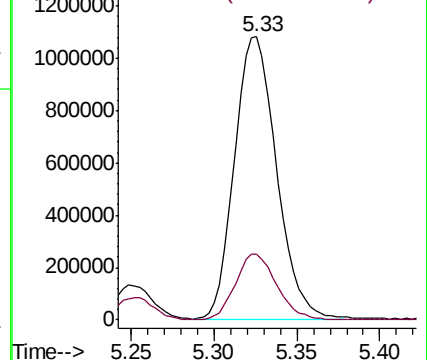
43 100

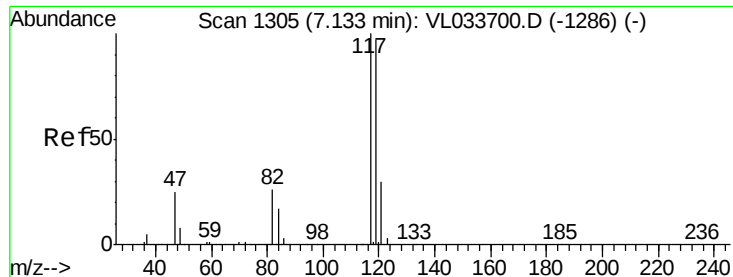
72 22.8 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.012 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

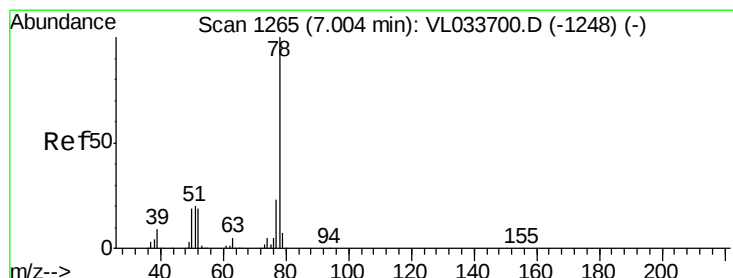
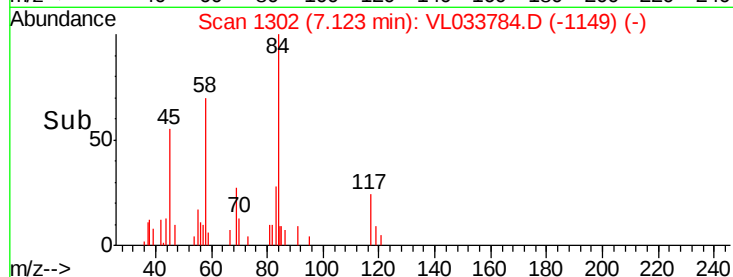
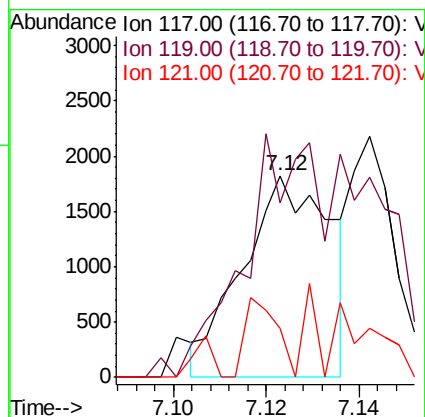
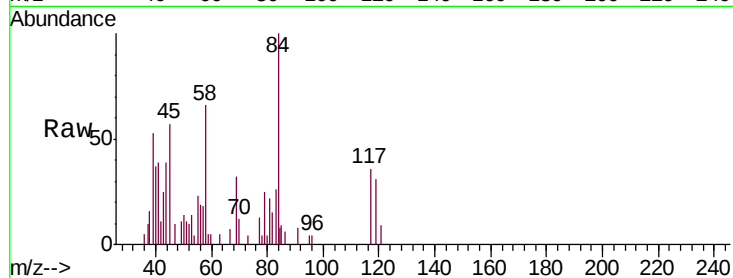
Tgt Ion: 117 Resp: 2383

Ion Ratio Lower Upper

117 100

119 85.4 77.2 115.8

121 18.3 24.1 36.1#



#36

Benzene

Concen: 1.161 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

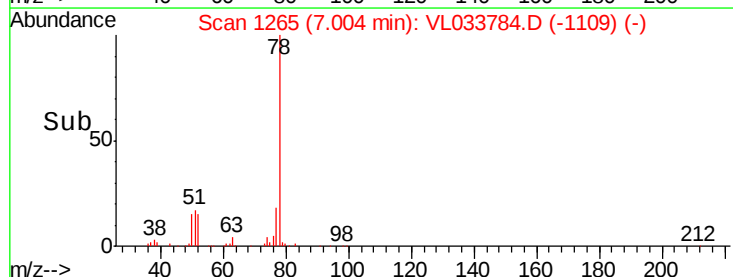
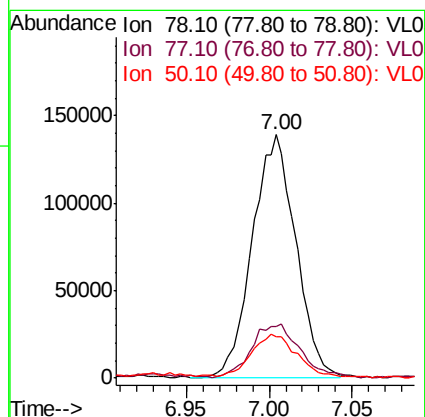
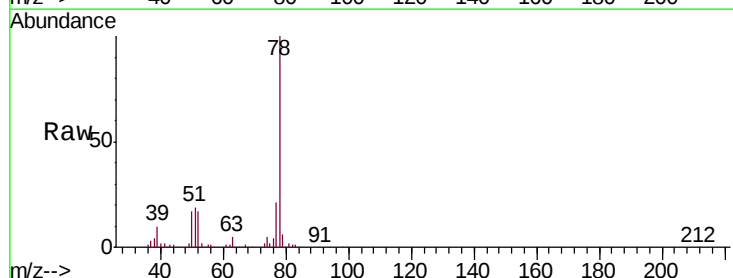
Tgt Ion: 78 Resp: 253197

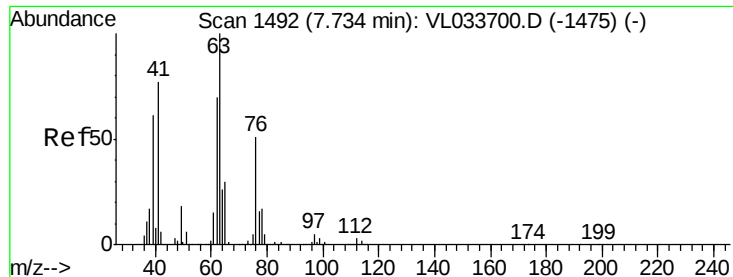
Ion Ratio Lower Upper

78 100

77 20.2 18.4 27.6

50 16.3 15.5 23.3

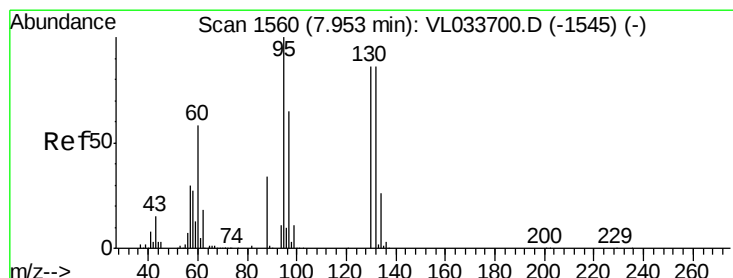
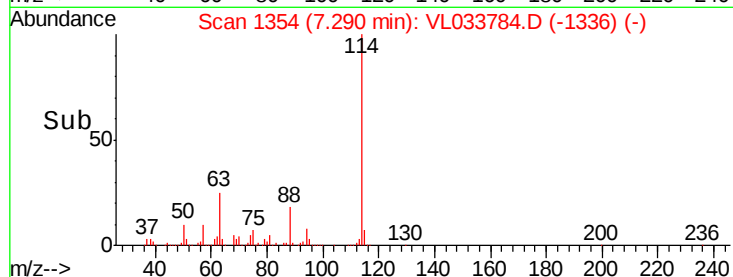
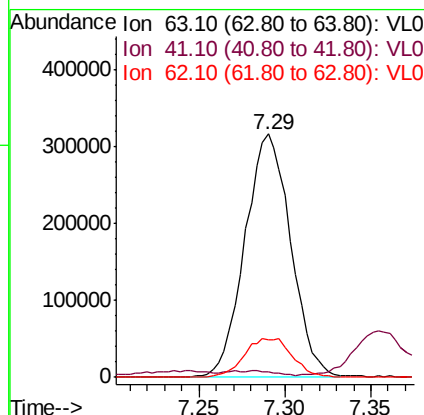
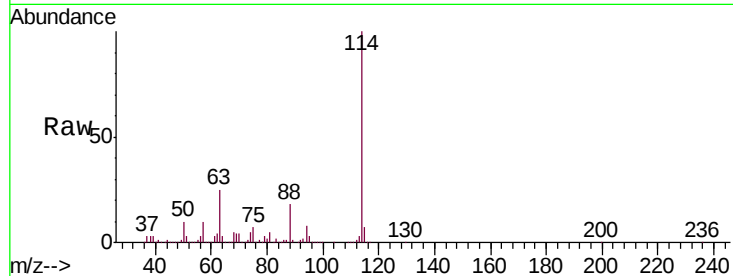




#39
 1,2-Dichloropropane
 Concen: 7.150 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.44 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

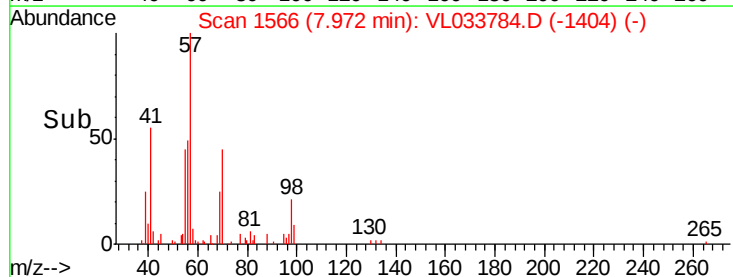
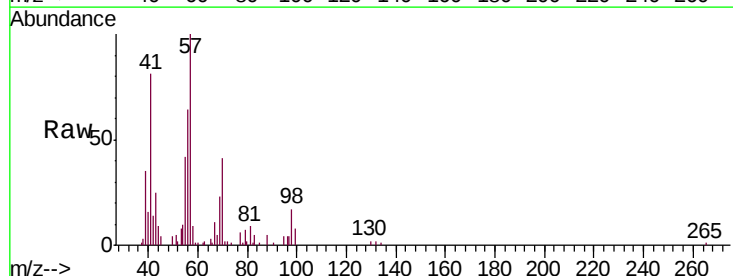
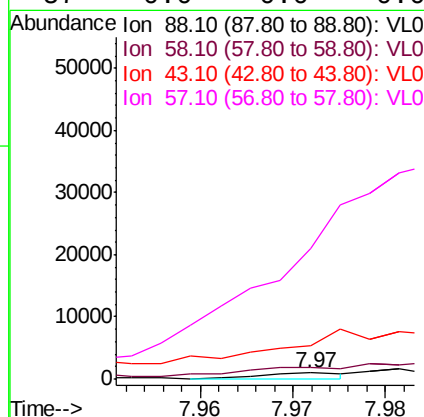
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

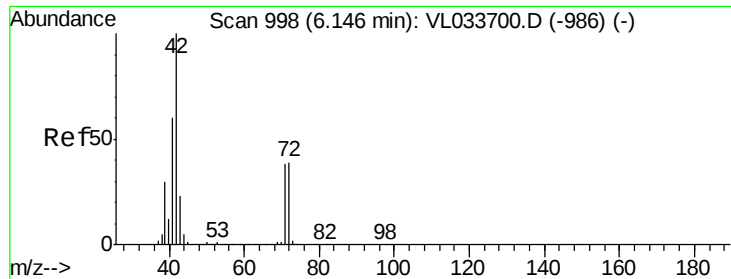
Tgt Ion: 63 Resp: 581383
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 15.4 56.2 84.4#



#40
 1,4-Dioxane
 Concen: 0.018 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.02 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 88 Resp: 628
 Ion Ratio Lower Upper
 88 100
 58 0.0 101.8 152.6#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.141 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

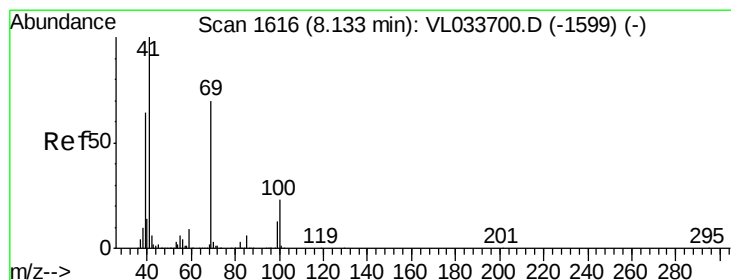
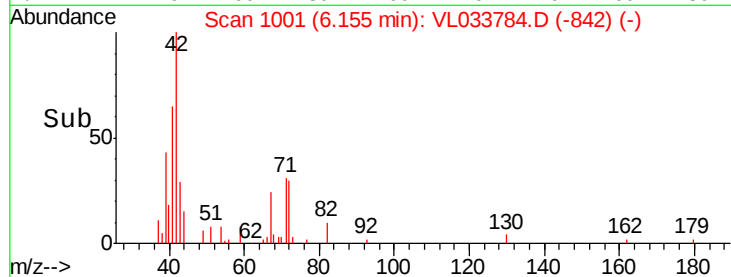
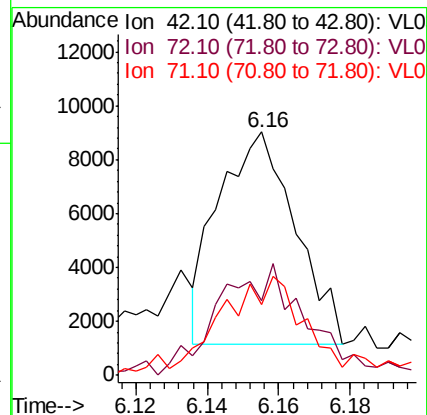
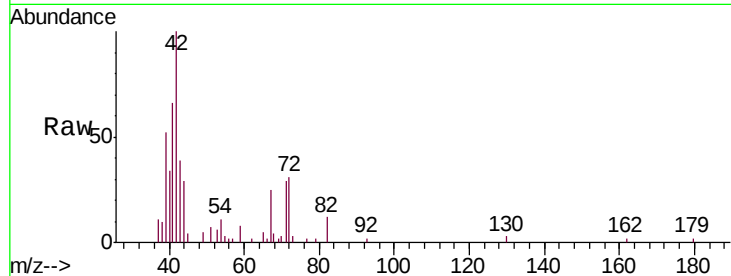
Tgt Ion: 42 Resp: 11772

Ion Ratio Lower Upper

42 100

72 60.3 32.0 48.0#

71 56.8 30.4 45.6#



#43

Methyl Methacrylate

Concen: 0.014 ppbv

RT: 8.11 min Scan# 1609

Delta R.T. -0.02 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

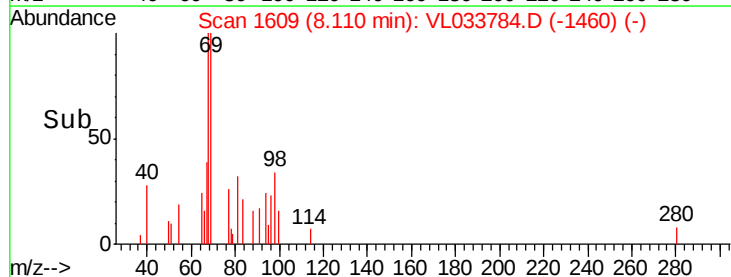
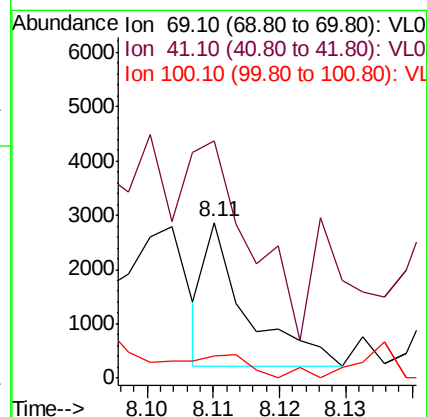
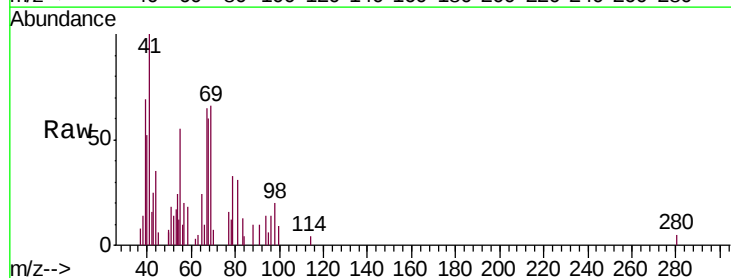
Tgt Ion: 69 Resp: 1149

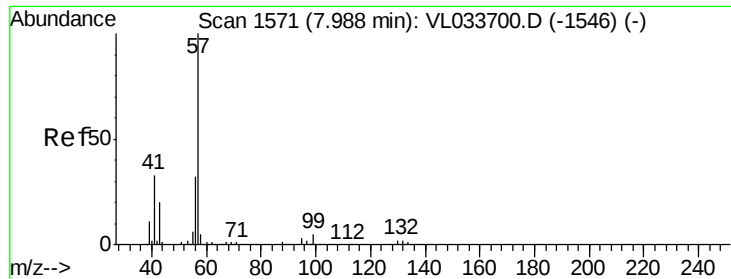
Ion Ratio Lower Upper

69 100

41 0.0 116.3 174.5#

100 0.0 25.3 37.9#

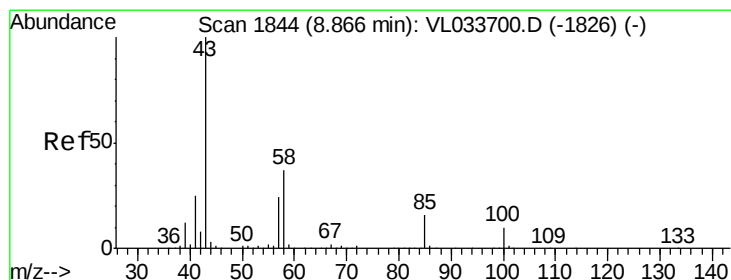
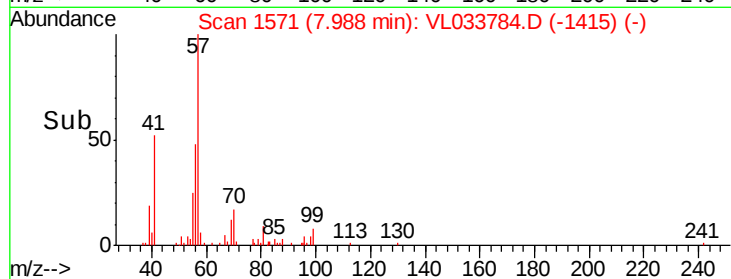
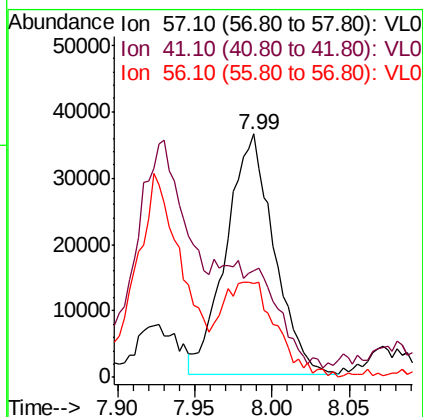
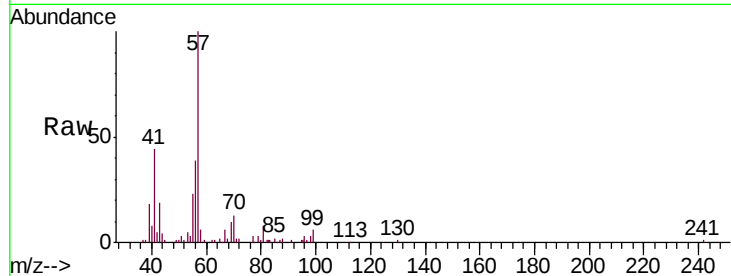




#44
 2,2,4-Trimethylpentane
 Concen: 0.210 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

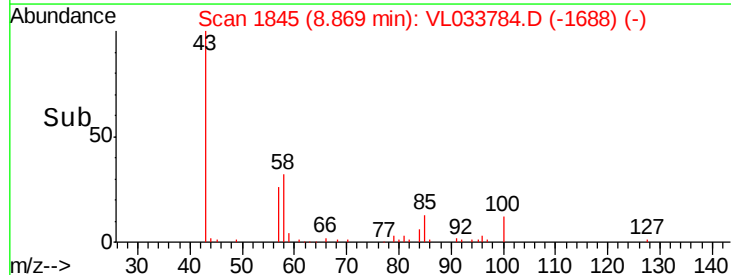
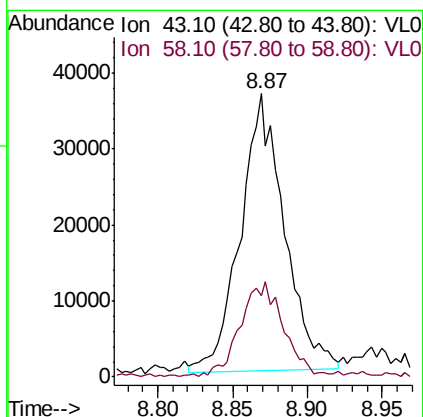
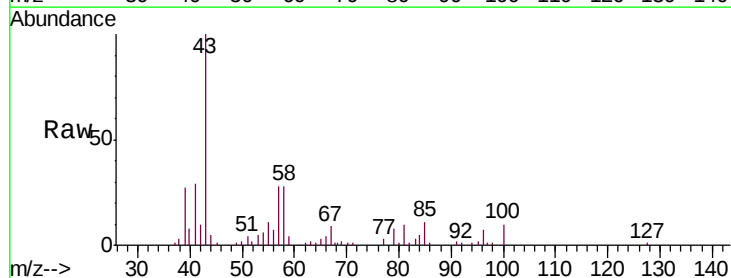
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

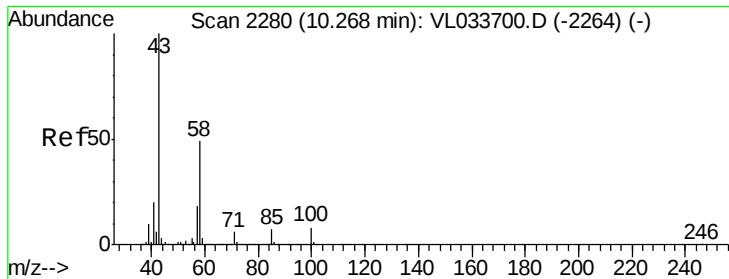
Tgt Ion: 57 Resp: 77498
 Ion Ratio Lower Upper
 57 100
 41 0.0 25.4 38.0#
 56 47.7 24.7 37.1#



#50
 4-Methyl-2-Pentanone
 Concen: 0.326 ppbv
 RT: 8.87 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 43 Resp: 74489
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.6 43.0

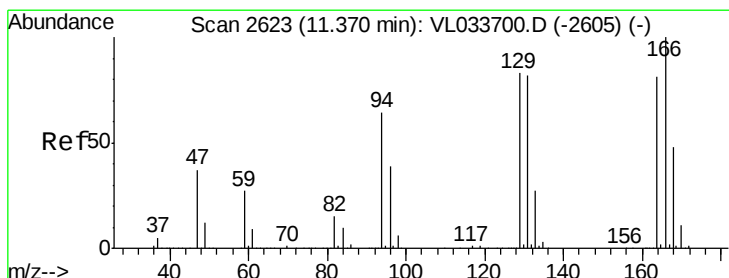
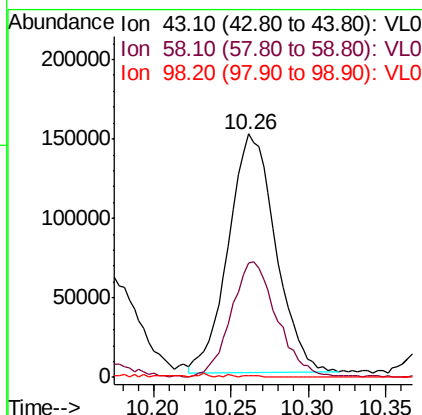
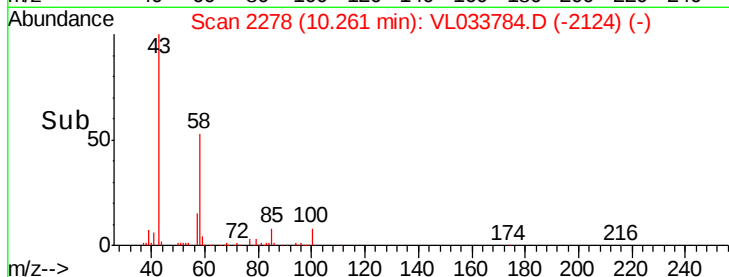
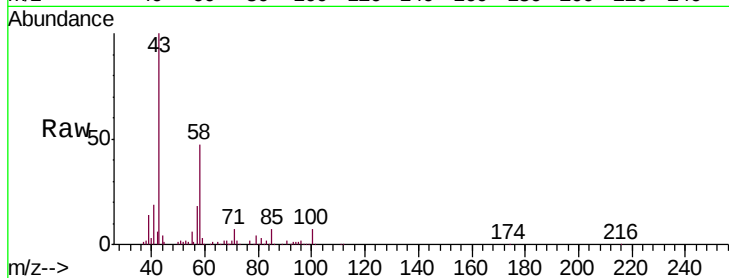




#51
2-Hexanone
Concen: 1.783 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

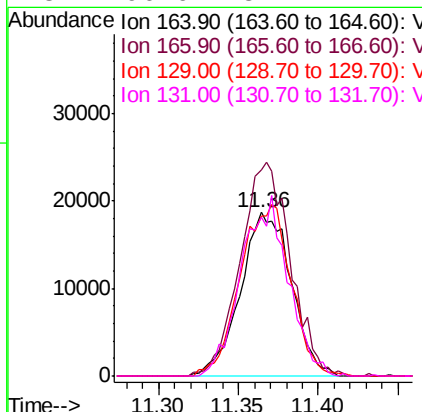
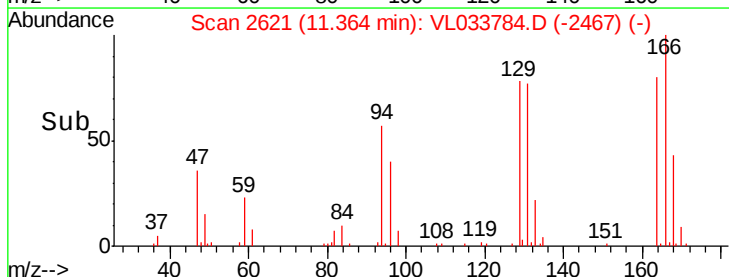
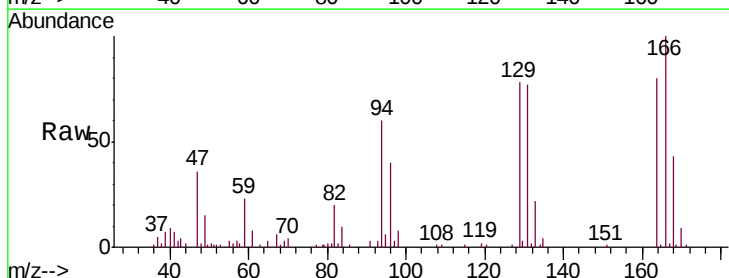
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

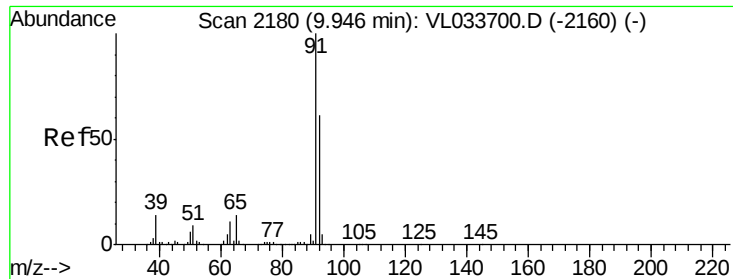
Tgt Ion: 43 Resp: 318197
Ion Ratio Lower Upper
43 100
58 47.2 38.7 58.1
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.528 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion: 164 Resp: 40510
Ion Ratio Lower Upper
164 100
166 125.7 98.9 148.3
129 102.2 81.8 122.6
131 96.6 81.1 121.7





#53

Toluene

Concen: 8.866 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

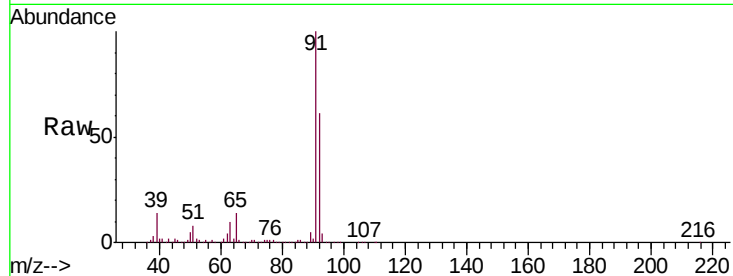
BPS1-SG-3008-55

Tgt Ion: 91 Resp: 2085621

Ion Ratio Lower Upper

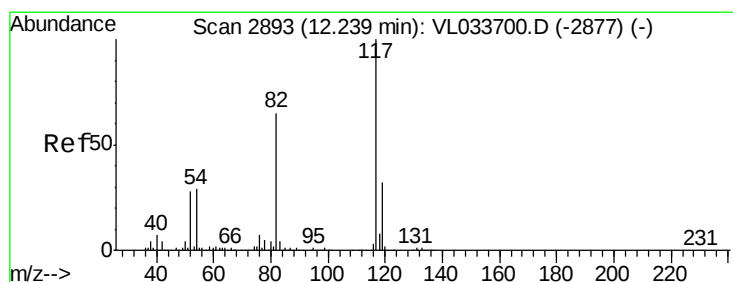
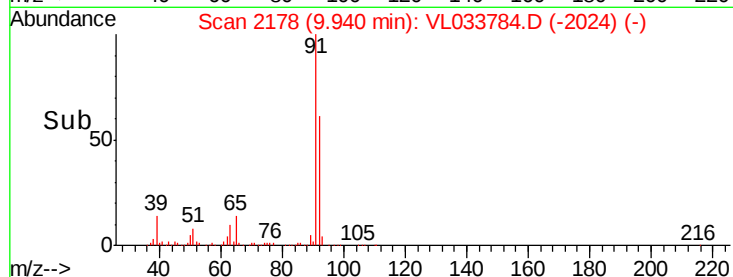
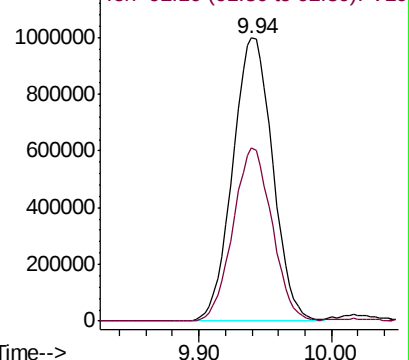
91 100

92 59.9 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

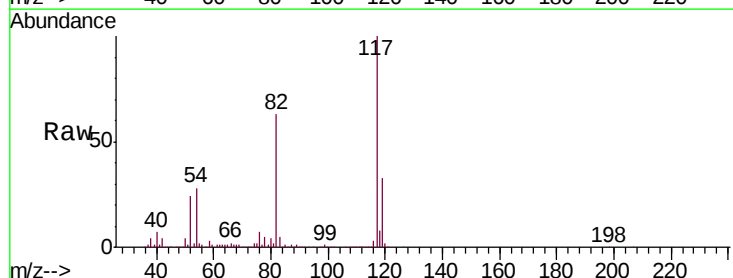
Tgt Ion: 117 Resp: 2409179

Ion Ratio Lower Upper

117 100

82 62.5 49.4 74.0

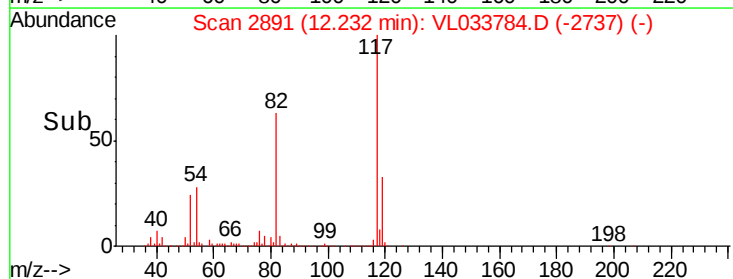
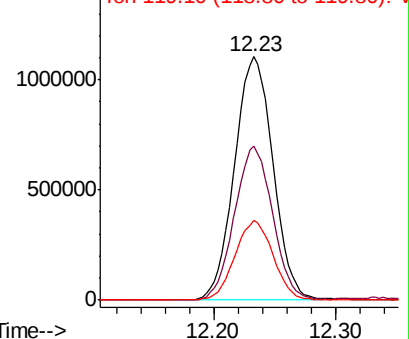
119 32.7 24.9 37.3

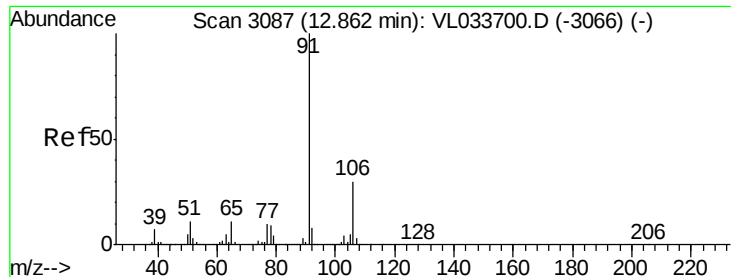


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 1.732 ppbv

RT: 12.86 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

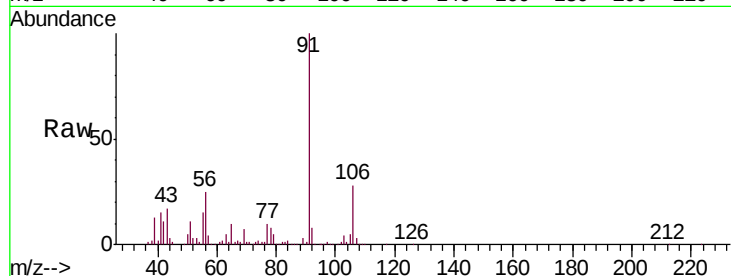
BPS1-SG-3008-55

Tgt Ion: 91 Resp: 552454

Ion Ratio Lower Upper

91 100

106 28.5 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.86

250000

200000

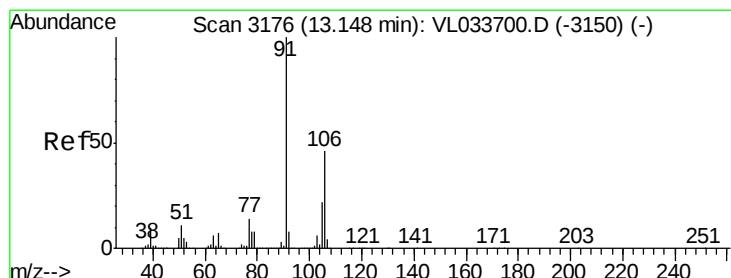
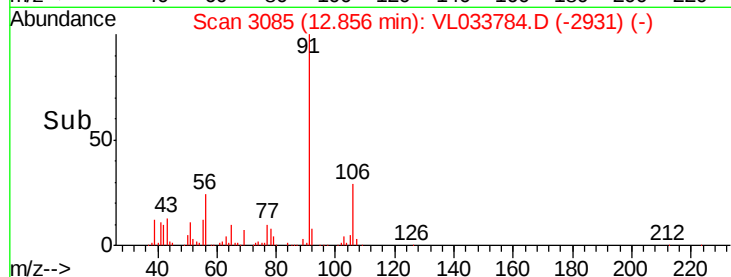
150000

100000

50000

0

Time-->



#59

m/p-Xylene

Concen: 6.454 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033784.D

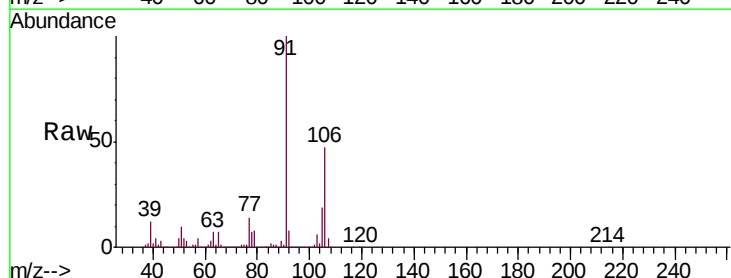
Acq: 23 May 2019 22:05

Tgt Ion: 91 Resp: 1799857

Ion Ratio Lower Upper

91 100

106 46.0 35.8 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.11

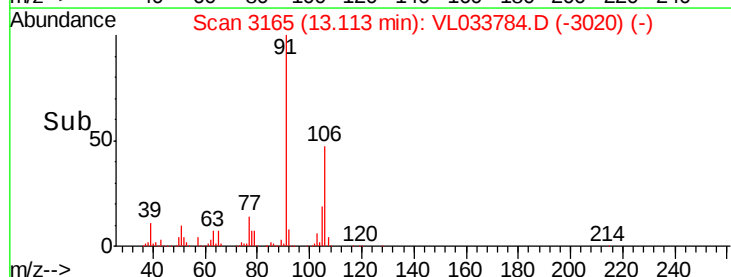
600000

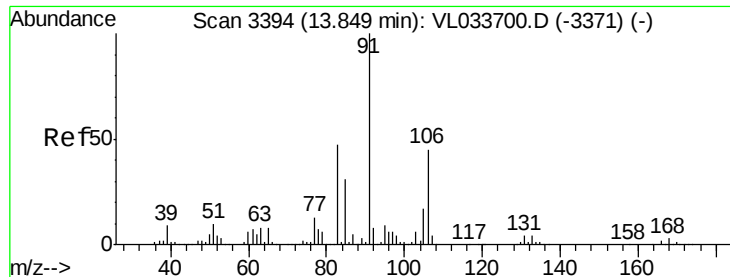
400000

200000

0

Time-->

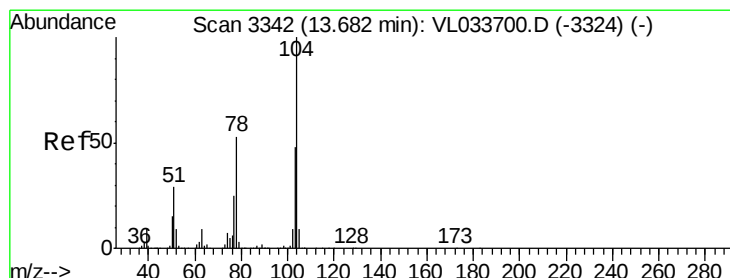
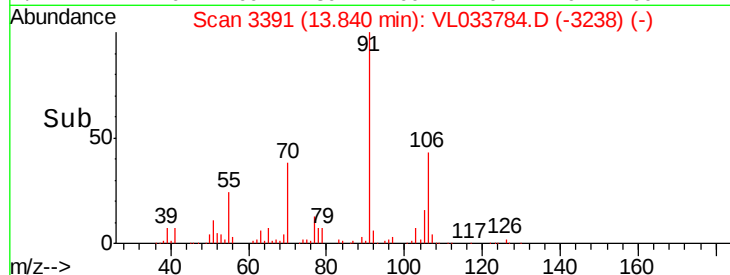
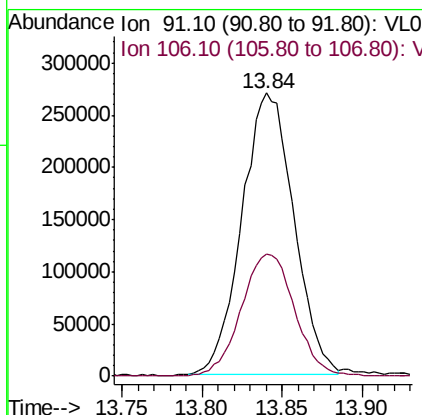
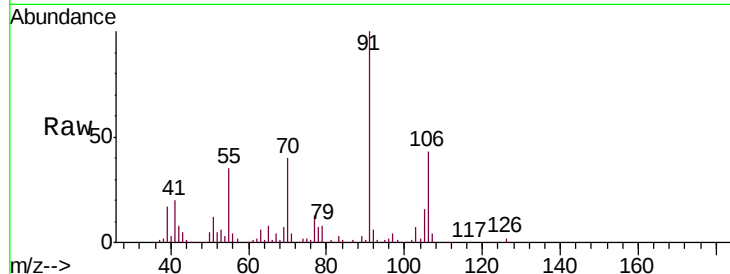




#60
o-Xylene
Concen: 2.148 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

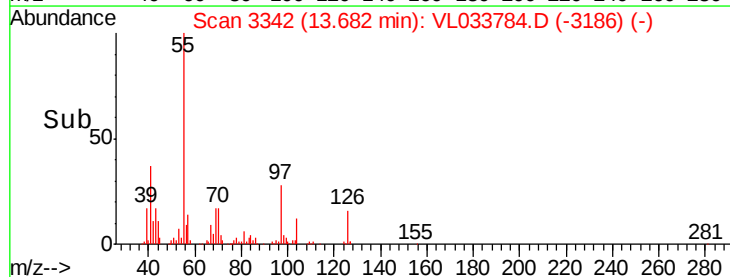
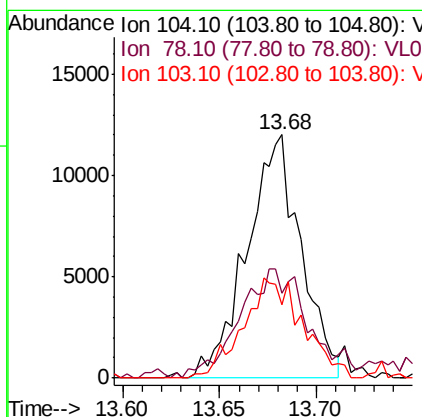
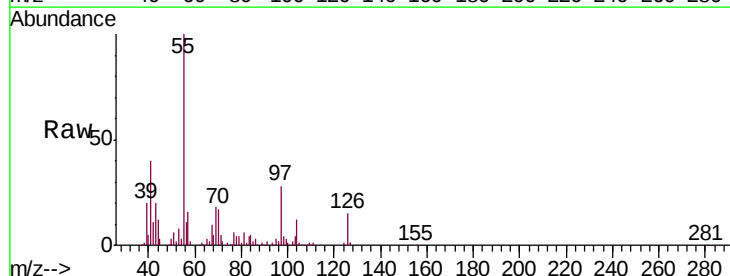
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

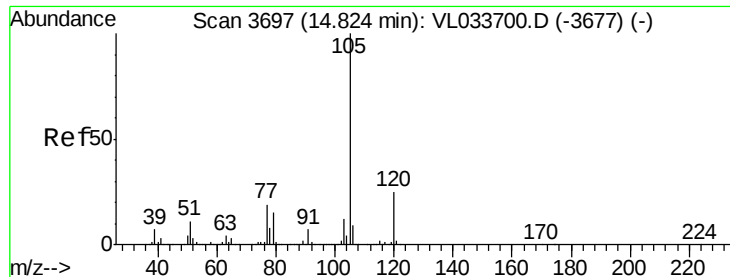
Tgt Ion: 91 Resp: 603746
Ion Ratio Lower Upper
91 100
106 44.9 21.6 64.8



#61
Styrene
Concen: 0.123 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion: 104 Resp: 23257
Ion Ratio Lower Upper
104 100
78 65.0 42.6 64.0#
103 45.5 37.8 56.6





#62

Isopropylbenzene

Concen: 0.018 ppbv

RT: 14.82 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

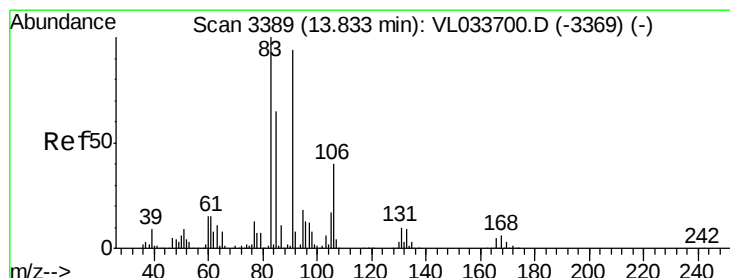
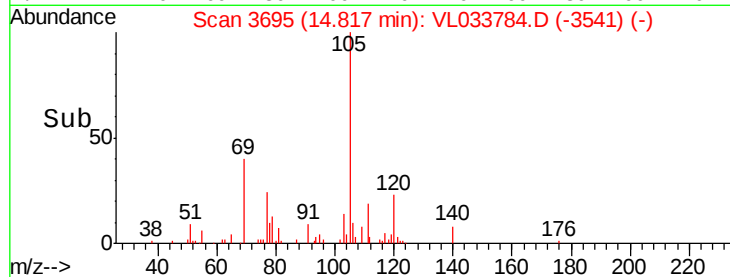
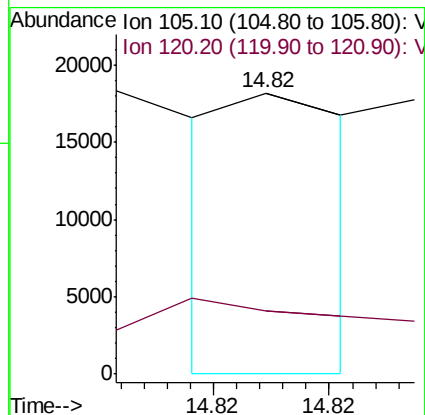
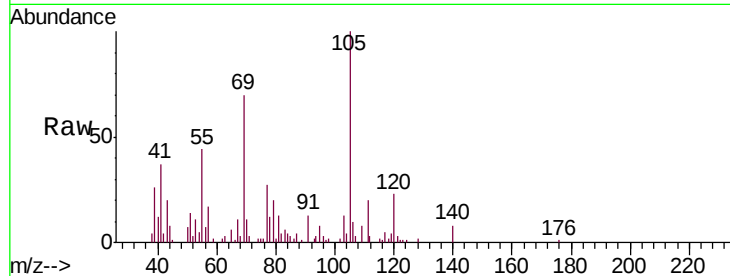
BPS1-SG-3008-55

Tgt Ion:105 Resp: 6746

Ion Ratio Lower Upper

105 100

120 0.0 20.1 30.1#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.083 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

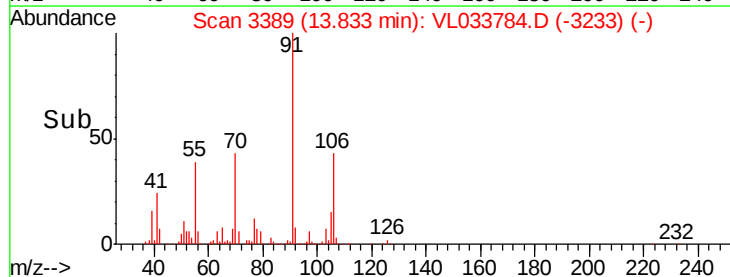
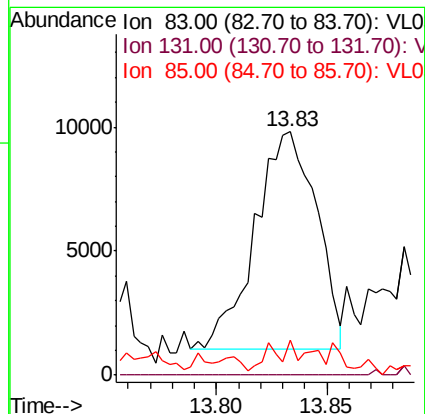
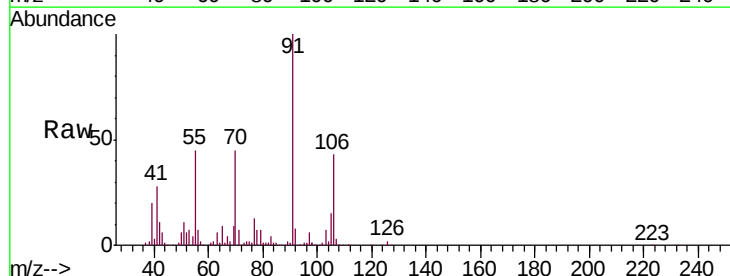
Tgt Ion: 83 Resp: 16944

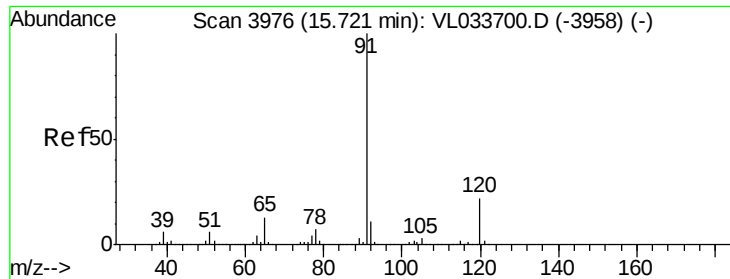
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 14.2 32.3 96.9#

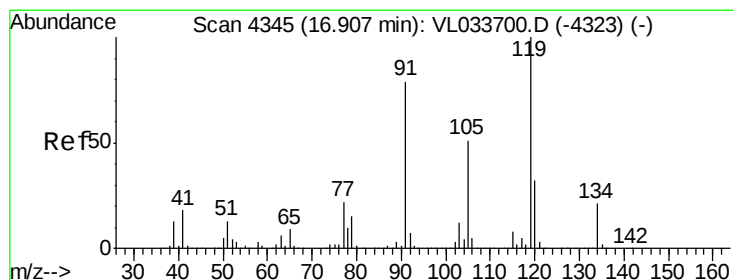
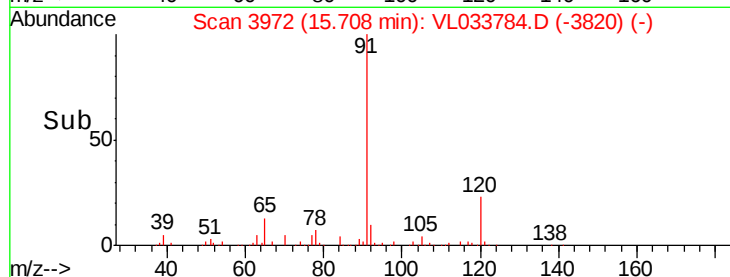
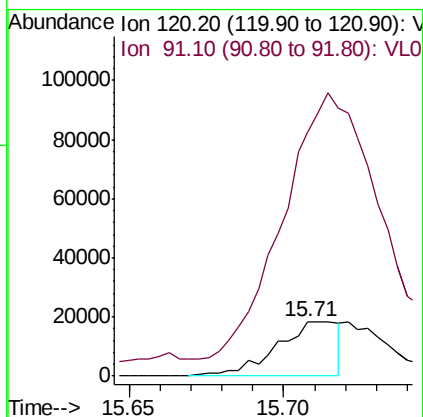
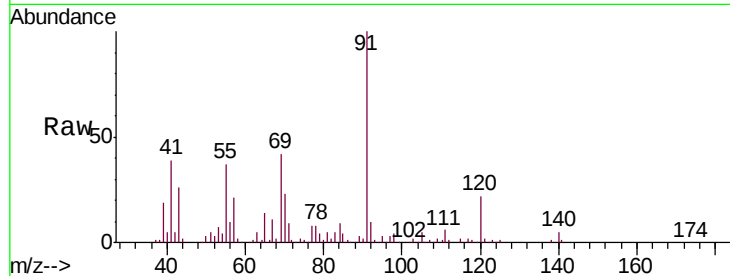




#64
n-propylbenzene
Concen: 0.261 ppbv
RT: 15.71 min Scan# 3972
Delta R.T. -0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

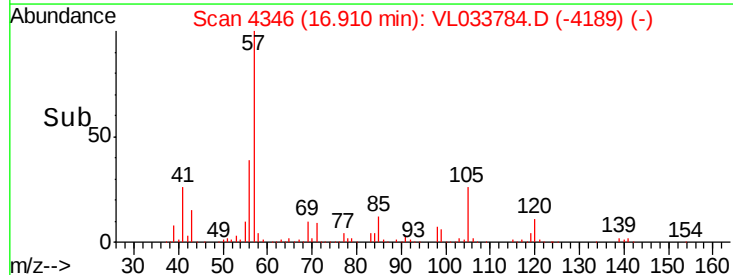
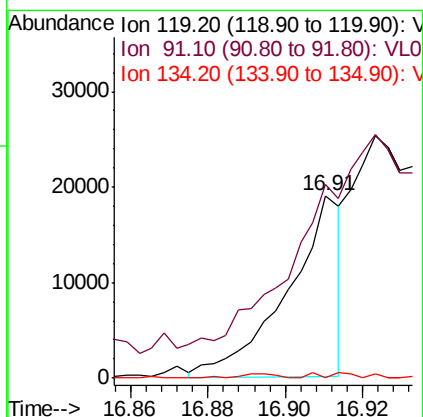
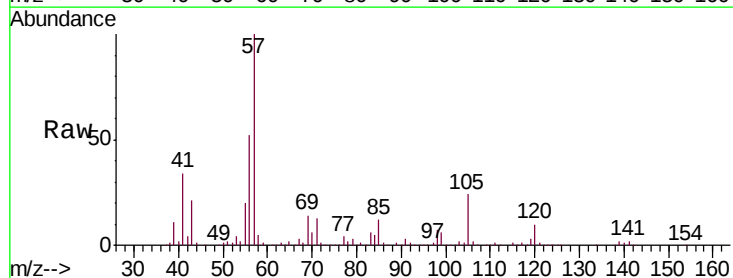
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

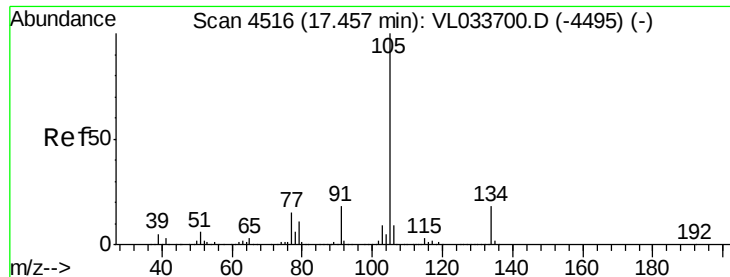
Tgt Ion:120 Resp: 25598
Ion Ratio Lower Upper
120 100
91 0.0 379.1 568.7#



#65
tert-Butylbenzene
Concen: 0.053 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion:119 Resp: 18261
Ion Ratio Lower Upper
119 100
91 0.0 65.3 97.9#
134 2.5 15.7 23.5#

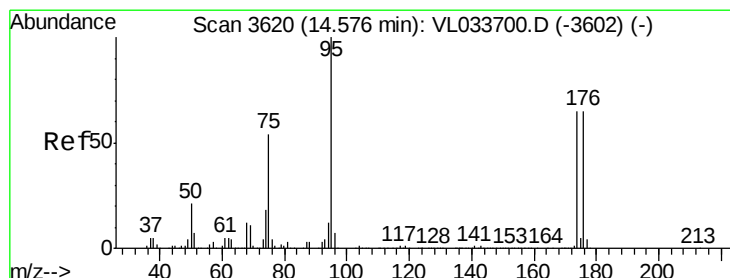
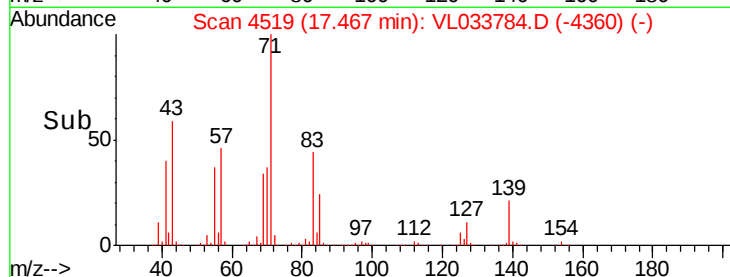
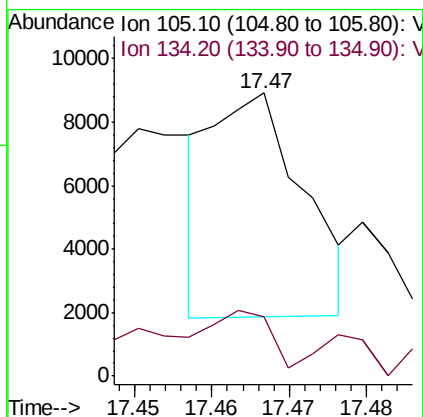
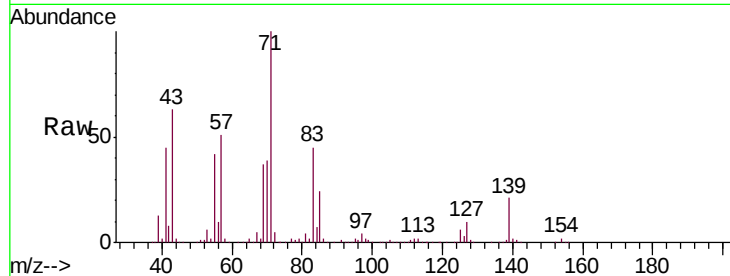




#67
 sec-Butylbenzene
 Concen: 0.012 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. 0.01 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

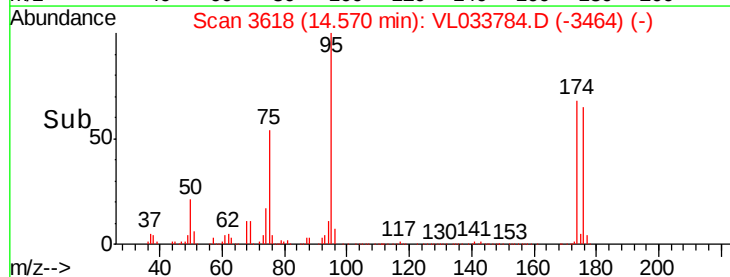
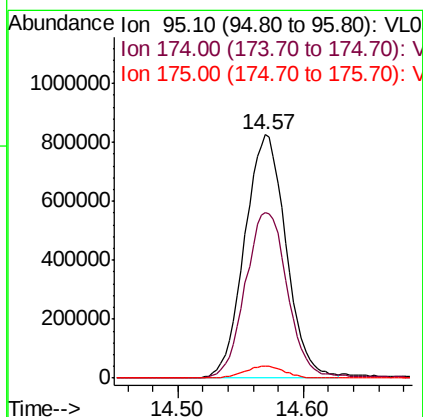
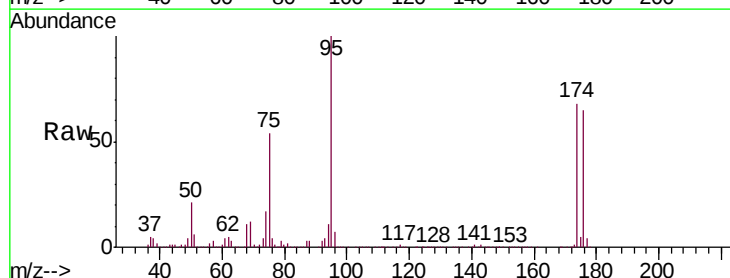
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

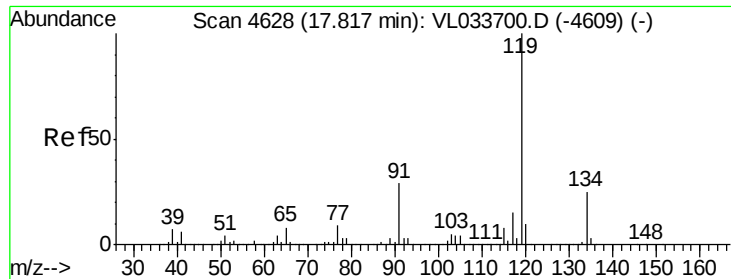
Tgt Ion: 105 Resp: 5769
 Ion Ratio Lower Upper
 105 100
 134 69.2 14.6 22.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.696 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 95 Resp: 1893730
 Ion Ratio Lower Upper
 95 100
 174 70.2 53.9 80.9
 175 5.0 3.8 5.8

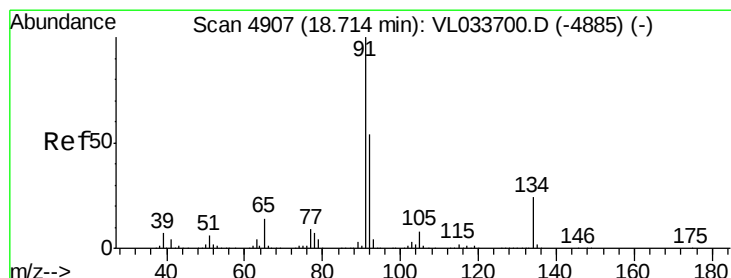
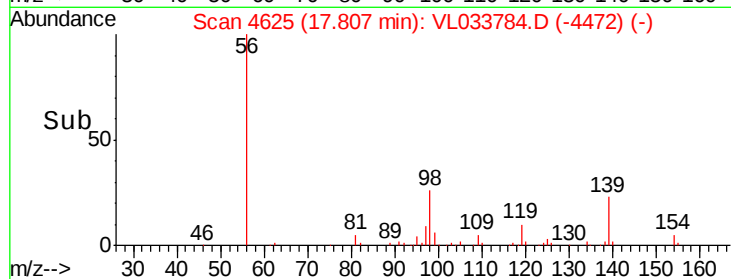
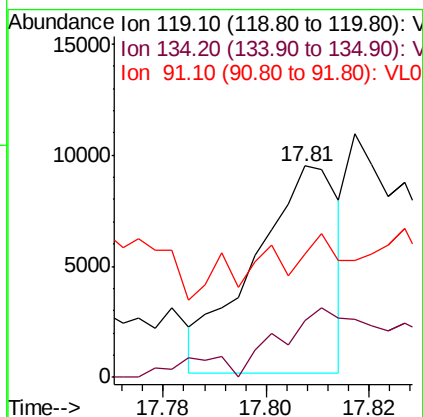
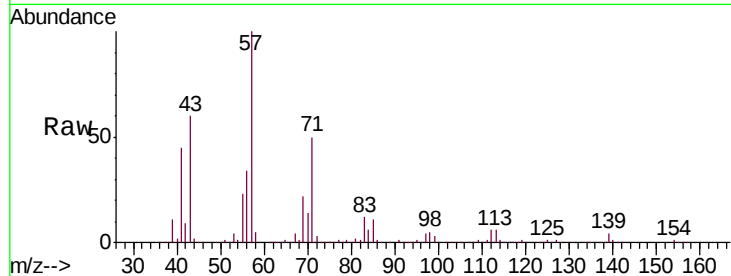




#69
p-Isopropyltoluene
Concen: 0.026 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

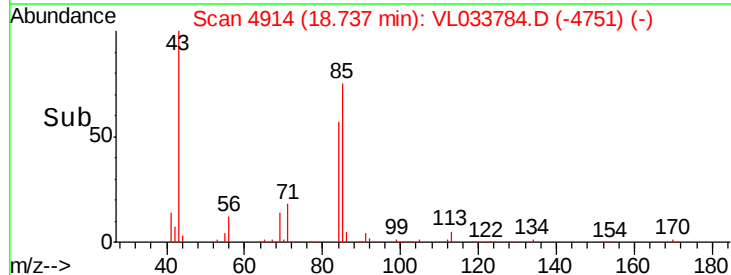
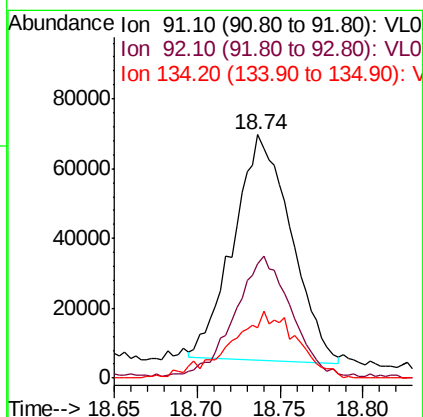
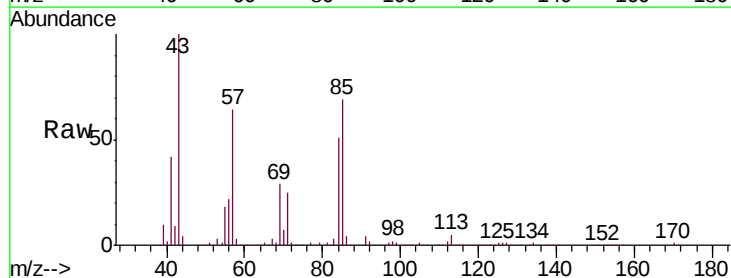
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3008-55

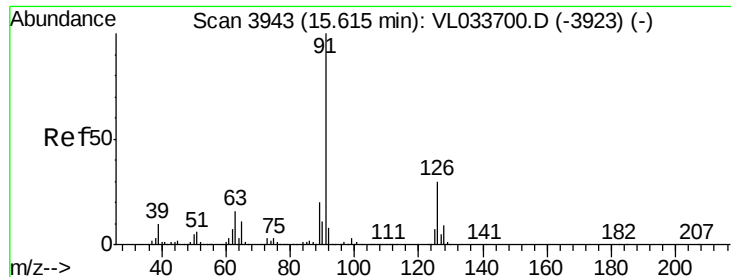
Tgt Ion: 119 Resp: 10521
Ion Ratio Lower Upper
119 100
134 68.0 20.3 30.5#
91 0.0 23.1 34.7#



#70
n-Butylbenzene
Concen: 0.364 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. 0.02 min
Lab File: VL033784.D
Acq: 23 May 2019 22:05

Tgt Ion: 91 Resp: 156254
Ion Ratio Lower Upper
91 100
92 53.4 42.6 63.8
134 34.2 18.1 27.1#

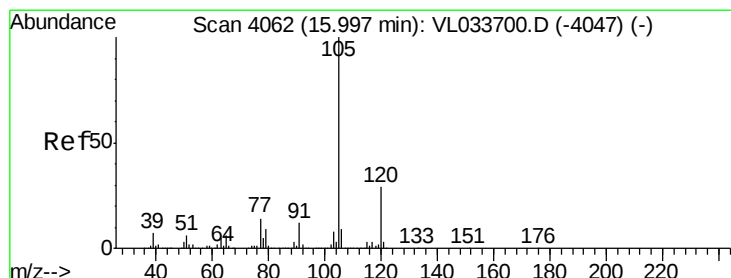
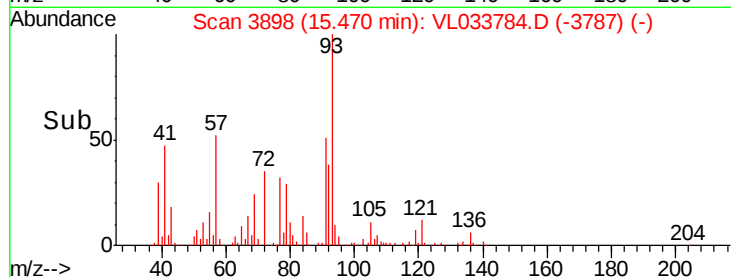
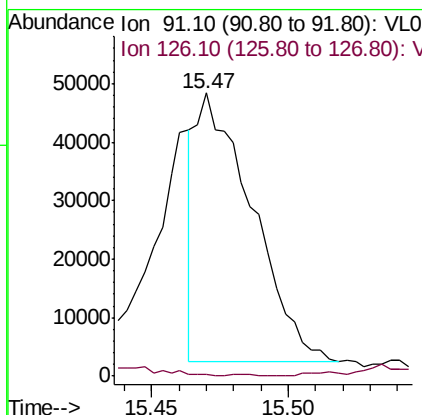
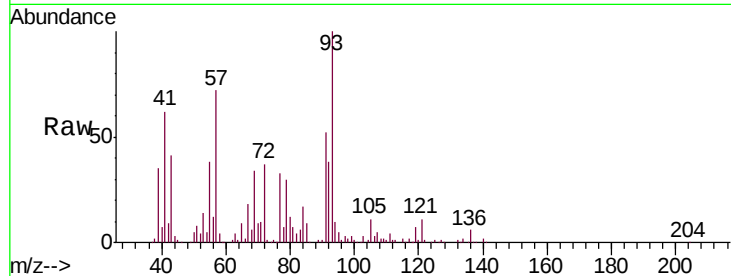




#71
 2-Chlorotoluene
 Concen: 0.232 ppbv
 RT: 15.47 min Scan# 3898
 Delta R.T. -0.14 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

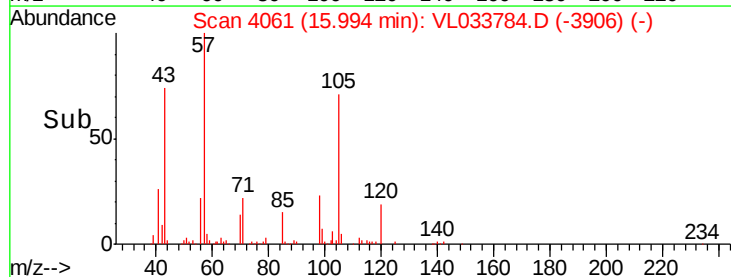
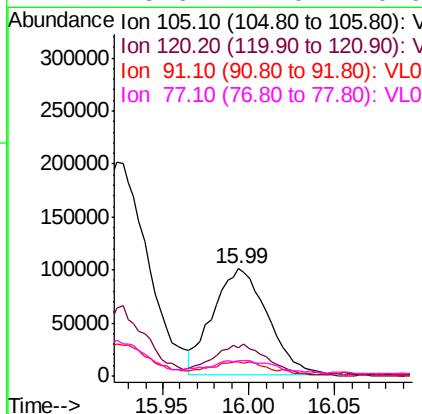
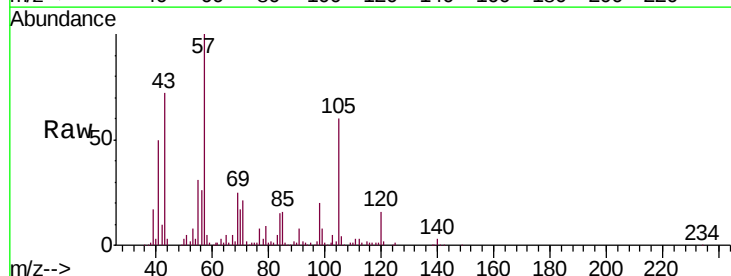
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

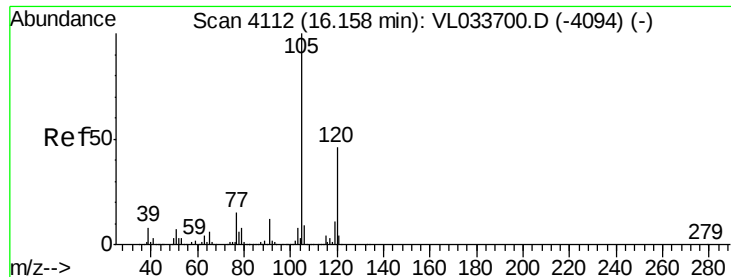
Tgt Ion: 91 Resp: 65153
 Ion Ratio Lower Upper
 91 100
 126 15.1 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 0.691 ppbv
 RT: 15.99 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Tgt Ion: 105 Resp: 222120
 Ion Ratio Lower Upper
 105 100
 120 31.3 23.1 34.7
 91 13.9 10.4 15.6
 77 18.6 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.466 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Instrument :

MSVOA_L

ClientSampleId :

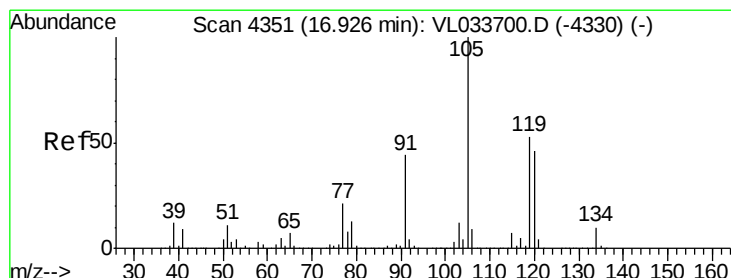
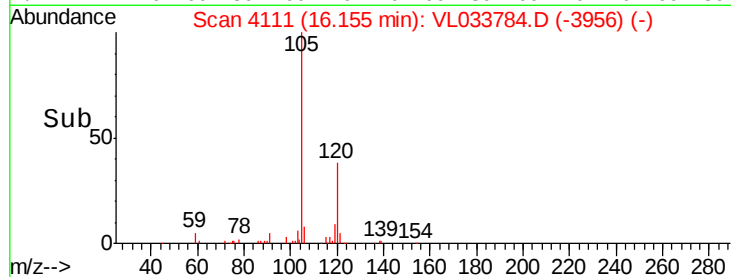
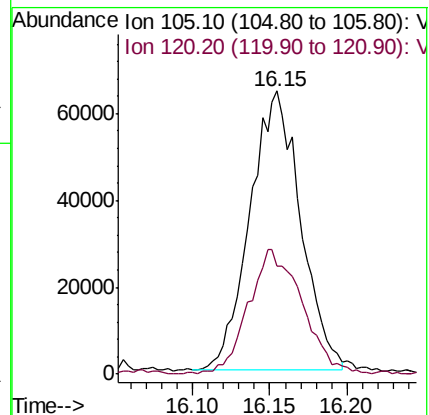
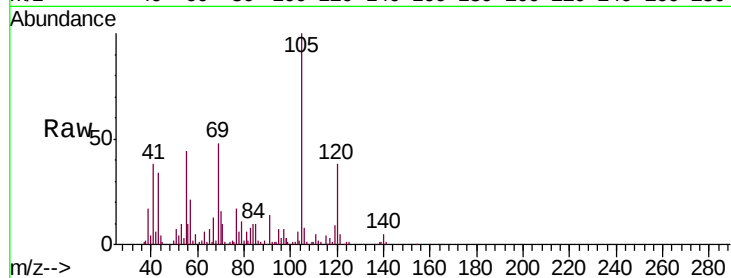
BPS1-SG-3008-55

Tgt Ion:105 Resp: 146234

Ion Ratio Lower Upper

105 100

120 37.9 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 1.472 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

Tgt Ion:105 Resp: 502418

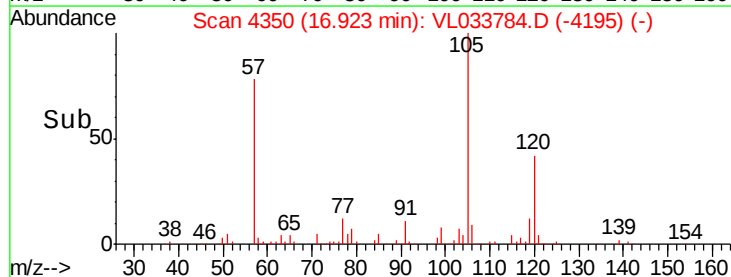
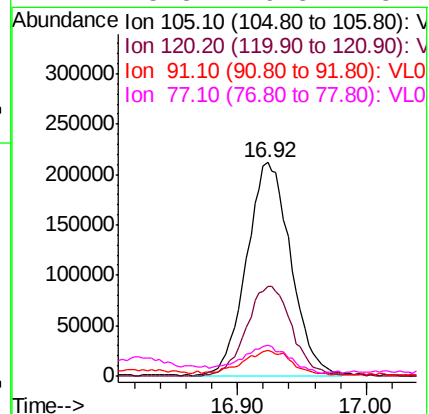
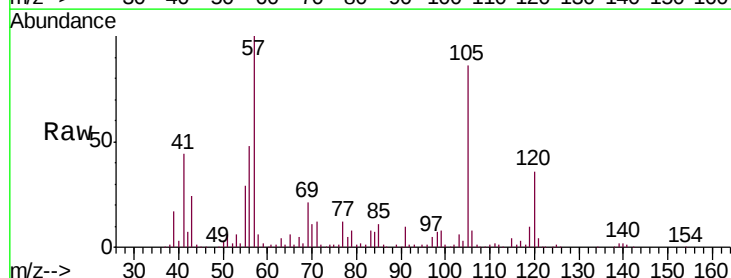
Ion Ratio Lower Upper

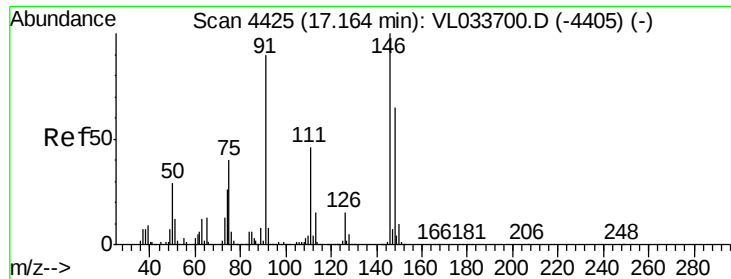
105 100

120 41.9 36.8 55.2

91 11.2 35.4 53.0#

77 13.3 16.8 25.2#





#75

1,3-Dichlorobenzene

Concen: 0.298 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

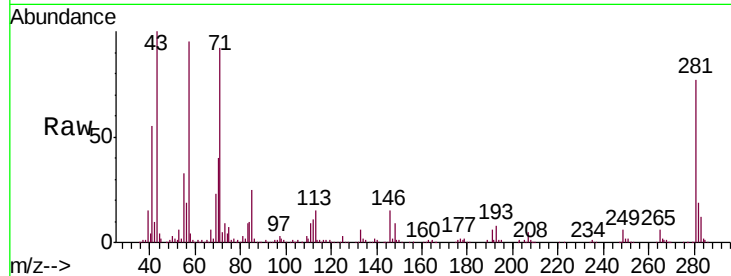
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3008-55

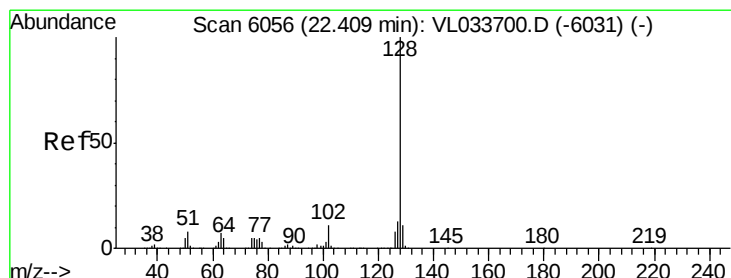
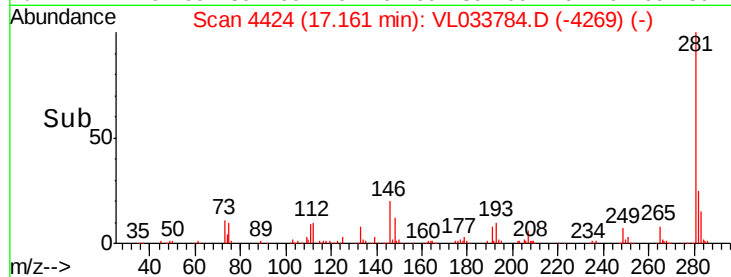
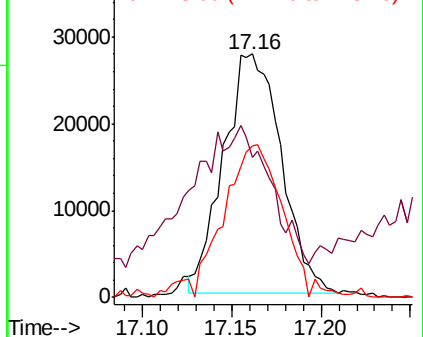
Tgt Ion:	146	Resp:	62375
Ion	Ratio	Lower	Upper
146	100		
111	102.4	22.9	68.8#
148	68.8	32.0	96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.052 ppbv

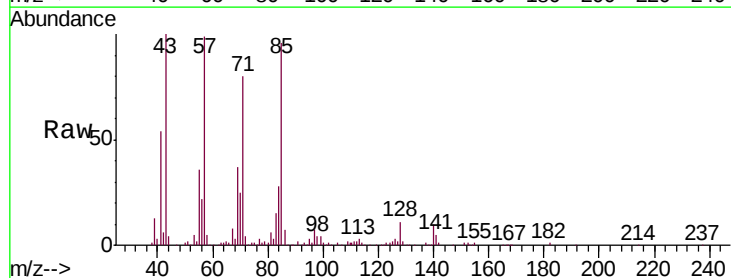
RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033784.D

Acq: 23 May 2019 22:05

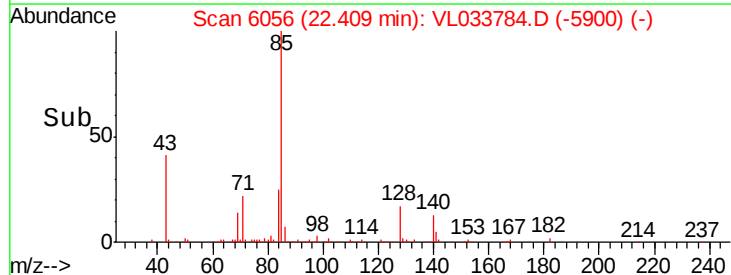
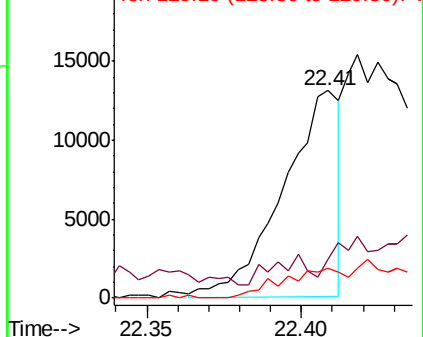
Tgt Ion:	128	Resp:	16613
Ion	Ratio	Lower	Upper
128	100		
127	7.5	10.6	16.0#
129	12.9	8.9	13.3

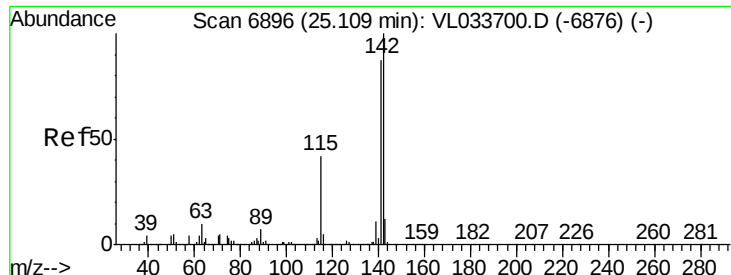


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

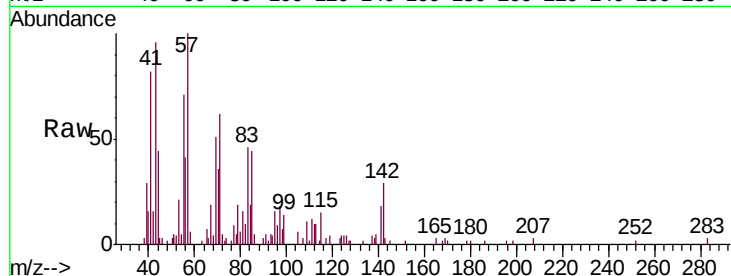




#80
 Naphthalene, 2-methyl-
 Concen: 0.039 ppbv
 RT: 25.11 min Scan# 6896
 Delta R.T. 0.00 min
 Lab File: VL033784.D
 Acq: 23 May 2019 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3008-55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	67.2	100.8
115	61.5	34.1	51.1



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

